

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND, MARIANAS PSC 455, BOX 195 FPO AP 96540-2937

IN REPLY REFER TO: 5720 Ser 00/302 19 Dec 16

Tony Tolen 1240 Bayshore Highway Burlingame, CA 94010

Dear Mr. Tolen:

SUBJECT: FREEDOM OF INFORMATION ACT (FOIA) REQUEST 17-001

This letter responds to your Freedom of Information Act (FOIA) request dated November 8, 2016, in which you seek the following information regarding NAVFAC Marianas Contract No. N40192-14-C-1300:

- 1. All applications for Payment submitted by Nova-Underground Construction (Nova-UC) in connection with the above referenced Contract.
- 2. Documentation of all payments made by NAVFAC to Nova-UC for work performed pursuant to the above referenced contract.
 - 3. List of payments made to Nova-UC.
 - 4. Remaining amounts of payment for the Contract.
 - 5. Copy of the Payment Bond submitted by Nova-UC for the Contract.
 - 6. Copy of the Performance Bond submitted by Nova-UC for the Contract.

This office received your request on November 11, 2016, and assigned file number 17-001. Your request was later perfected on November 22, 2016, when you confirmed your willingness to narrow the scope of your request to payment information related only to work that was performed by ECC.

We have reviewed the enclosed documents, which are responsive to your request, and they are released to you in their entirety.

The fees incurred to process your request amounts to eight hundred eighty dollars (\$880.00) for search and review. Please forward a check or money order, payable to the "Treasurer of the United States" for the stated amount, to the address stated above and to the attention of Ms. Eileen Sanchez, Comptroller's Office, within 30 calendar days from the date of this correspondence. Please reference FOIA file Number 17-001 with your remittance.

SUBJ: FREEDOM OF INFORMATION ACT (FOIA) REQUEST 17-001

Should you have questions regarding the action this office took, you may contact the DoD Navy Component FOIA Public Liaison, Mr. Chris Julka, at (703) 697-0031 or via e-mail at christopher.a.julka@navy.mil.

Further questions concerning your FOIA request should be directed to Thomas Ngiratereged at (671) 333-2277 or via e-mail at thomas.ngiratereged@fe.navy.mil.

Sincerely,

W. R. LEBEAU

Commander, Civil Engineer Corps, U.S. Navy

By direction

Enclosure 1. CD Disc

Contractor Invoice No. 12



Serial Letter H-0157 30 November 2015

Naval Facilities Engineering Command Marianas

Attn: Jenais Guerrero

Pedro LG Roberto Drive, Apra Heights Building 4175, 2nd Floor, Room A206

Santa Rita, Guam 96915

Re:

DESC 1303 Upgrade Fuel Pipeline, Sasa Valley Fuel Farm to AAFB

Contract No. N40192-13-R-1300

Subject: Contractor Invoice No. 12 – September / October 2015

Ms. Guerrero,

Enclosed please find for your records the following hard copy documents which are being submitted with our Contractor's Invoice No. 12, requesting payment for work performed in September and October 2015 in the amount of \$4,498,645.13 for the above referenced project.

- 1. Contractor's Invoice NAVFAC 7300/30 form
- 2. Earned Value Summary Report by CLIN
- 3. Earned Value Report signed/approved by FEAD Rep
- 4. Monthly Labor Hour and Safety Audit Summary
- 5. Contractor Safety Self Certification
- 6. C & D Diversion Summary Report
- 7. Monthly DFAR 252.247-7023 Cert
- 8. BOL Log
- 9. List of Stored Materials
- 10. Vendor Invoices for Stored Materials
- 11. Letter of Surety for Stored Materials
- 12. Payroll Verification for JV *
- 13. Payroll Verification for Subcontractors *
- 14. Project Submittal Register
- 15. NAS Schedule update
- 16. NAS Schedule Narrative Report
- 17. NAS SVC Diagram
- 18. Project Schedule Log

If you have any questions, please do not hesitate to contact me. I can be reached at 707-265-1162 or by email at aisle@novagrp.com.

NOVA Group, Inc. - Underground Construction Company Inc., a Joint Venture

Aaron Isle

Aaron Isle

Aaron Isle

Project Manager

Aaron Isle

Project Manager



^{*} These documents were transmitted via CD, and not uploaded into the WAWF system.

NAVAL FACILITIES ENGINEERING COMMAND CONTRACTOR'S INVOICE

NAVFAC 7300/30 (Dec 2012)

		INVOICE DATE	30-Nov-2015
		INVOICE NUMBER	12
	Nova Group - Underground Construct Naval Facilities Engineering Comma		5 Devlin Road Napa CA
1. Below is	a Statement of Performance under Contract	<u>N40192-14-C-1300</u> at (Station)	Naval Facilities Engineering Command Marianas
The enclos	ure provides breakdown of this statement of performar	ce.	
A.	Total value of contract through change	<u>P00021</u>	\$55,350,743.22
В.	Percentage of performance complete		50.33%
C.	Value of completed performance		\$27,859,733.23
D.	Less: Retention held from subcontractors and supp	liers (if applicable)	\$0.00
E.	Less: Retention withheld from prime contractor		(\$1,483,141.76)
F.	Less: Total of previous payments		(\$22,224,431.76)
G.	Subtotal		\$4,152,159.71
Н.	Release of Government Retention (if applicable)		\$0.00
ı	. Amount of this invoice	Section Separates Asset Index The Code Security on agreement for het to A Congress The Code Security on agreement for het to A Congress The Code Security of the Security of t	\$4,152,159.71
		Aaron Isle March 162 CA	Project Manager
		Signature	Title

CONTRACTOR'S CERTIFICATION

52.232-5 PAYMENTS UNDER FIXED-PRICE CONSTRUCTION CONTRACTS (MAY 1997)

I hereby certify, to the best of my knowledge and belief, that:

- (1) The amounts requested are only for performance in accordance with the specifications, terms, and conditions of the contract;
- (2) Payments to subcontractors and suppliers have been made from previous payments received under the contract, and timely payments will be made from the proceeds of the payment covered by this certification, in accordance with subcontract agreements and the requirements of Chapter 39 of Title 31, United States Code;
- (3) This request for progress payments does not include any amounts which the prime contractor intends to withhold or retain from a subcontractor or supplier in accordance with the terms and conditions of the subcontract; and
- (4) This certification is not to be construed as final acceptance of a subcontractor's performance.

Aaron Isle	- paggregh could be from the DD Could Freeded beaution to the Cold Could be 2.7 Stuffment that ages of buildenessing contractions. In the Country of the Country of the Country of the Country of the Paggreght Stuffment Stuffment of the Country of the Country of the Paggreght Stuffment of the Country of	30-Nov-15	
Signature		Date	
Aaron Isl	e	Project Manager	
Name		Title	

(The above certification applies to all contracts awarded on or after 01 April 1989.)

QUALITY CONTROL MANAGER'S CERTIFICATION

I hereby certify that the as-built drawings are current and the work for which payment is requested, including stored

Reynaldo Pelagio	30-Nov-15				
Signature	Date				
Reynaldo Pelagio	Quality Control Manager				
Name	Title				



CONTRACT NUMBER:

N40192-14-C-1300

CONTRACT DESCRIPTION: FY13 MILCON PROJECT DESC1303 UPGRADE FUEL PIPELINE

MONTHLY EXPOSURE REPORT

Reporting period: 9/1/15 to 9/30/15

CONTRACTORS:	Total hours worked this period	Cumulative hours for Fiscal Year 2014	Cumulative hours for Fiscal Year 2015	Cumulative hours for Fiscal Year 2016
PRIME	6728	3281	44,331.5	0
SUBCONTRACTORS	7812	2757	49,997	0

SAFETY RELATED INCIDENTS:

Category:	Incidents this	Cumulative	Cumulative	Cumulative
	period	incidents for Fiscal	incidents for Fiscal	incidents for Fiscal
		Year 2014	Year 2015	Year 2016
First Aid	0	0	0	0
Near Miss	1	0	4	0
Lost Time	0	0	0	0
Recordable	0	0	2	0

Certified by:

Digitally signed by Schuyler, Kody DN: dc=local, dc=quantaservices, ou=Quanta Subsidiaries, ou=Nova, ou=Guam, ou=Users, cn=Schuyler, Kody Date: 2015 10:06 10:02:19 +10'00' Schuyler, Kody

Signature

10/06/2015

Date

This report has been reviewed and found to reflect known and reported injuries and near misses for this reporting period.

Digitally signed by IBANEZ MAURICE P.1184802895 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USN, cn=IBANEZ.MAURICE P.11848028 95

Date: 2015.11.09 08:43:58 +10'00'







CONTRACT NUMBER:

N40192-14-C-1300

CONTRACT DESCRIPTION:

FY13 MILCON PROJECT DESC1303 UPGRADE FUEL PIPELINE

MONTHLY EXPOSURE REPORT

Reporting period: 10/1/15 to 10/31/15

CONTRACTORS:	Total hours worked this period	Cumulative hours for Fiscal Year 2014	Cumulative hours for Fiscal Year 2015	Cumulative hours for Fiscal Year 2016
PRIME	7999.5	3281	52331	0
SUBCONTRACTORS	8725	2757	58722	0

SAFETY RELATED INCIDENTS:

Category:	Incidents this	Cumulative	Cumulative	Cumulative
	period	incidents for Fiscal	incidents for Fiscal	incidents for Fiscal
		Year 2014	Year 2015	Year 2016
First Aid	0	0	0	0
Near Miss	0	0	4	0
Lost Time	0	0	0	0
Recordable	0	0	2	0

Certified by: Schuyler, Kody

Digitally signed by Schuyler, Kody DN: dc=local, dc=quantaservices, ou=Quanta Subsidiaries, ou=Nova, ou=Guam, ou=Users, cn=Schuyler, Kody Date: 2015.11.02 13:31.46 +10'00'

Signature

11/02/2015 Date







ROICC OFFICE:	NAVE	AC Mari	anas	DATE: 09/26/2015									
CONTRACTOR:	NOVA	-UCCO	JV										
CONTRACT TITLE	Upgrad	de Fuel	Pipeli	ne <u>CONTRACT 43.82 % COMPLETE</u> :									
CONTRACTOR SI	JPERIN'	TENDE	<u>NT</u> : _	Bruce Levan									
CATEGORY:													
	(Yes)	(No)	(N/A)										
PREPARATORY				Activity Hazard Analysis performed and used on the site for each definable feature of work?									
PHASE (Planning)	\Box	ö	\Box	2) Are weekly safety meetings and indoctrination held on site and documented for all workers?									
Comments/Notes.	$\overline{\mathcal{Q}}$			3) Is the submitted safety plan on site and in use?									
	?	Н		4) Is the Activity Hazard Analysis reviewed during the preparatory inspection? 5) Hazardous materials program in place with MSDS sheets on site and maintained?									
	V		\Box	6) EM 385-1-1 available on the site?									
			\Box	7) Other? Extra Credit?									
OFFICE TRAILER	v			8) Are office and storage trailers anchored?									
GENERAL	Ø.		LJ	9) Are emergency phone numbers posted?									
Comments/Notes:	!			10) Is a phone available?									
	Ø		ö	11) First aid log maintained (contractors must use OSHA Form 300)? 12) Toilet facilities available?									
	0			13) Site posted "HARD HAT AREA," "NOISE HAZARD," "CONSTRUCTION AREA," etc., as required?									
	9			14) Garbage cans and dumpsters available? 15) Jobsite cleaned daily?									
		ö	ă	16) Is traffic control around site adequate?									
			Ø	17) Other? Extra Credit?									
FIRE PREVENTION	Ø			18) Are fire extinguishers available, fully charged, and easily visible within 75 feet for low hazard areas?									
Comments/Notes:	Ø	П		19) Is fuel stored in proper containers?									
	☑	₫		20) Are hot work permits being obtained?									
	2			21) Are fire watches provided?									
	Ö	ŏ	ă	22) Are gas cylinders stored upright and secured with chain or rope? 23) Is Housekeeping acceptable?									
			3	24) Other? Extra Credit?									
	[7]	П											
SCAFFOLD SAFETY	<u> </u>		ö	25) Are daily scaffold inspections performed by designated competent person? 26) Planks overlapped not less than 6° or more than 12° over end supports with toe boards in place?									
Comments/Notes:	ø			27) Tubing pinned properly and all cross bracing in place?	·····								
				28) If scaffold height is 4X smallest base dimension, is system secured to structure?									
	9	ᆸ	Н	29) Alf guardraits are in place? 30) Full work platform at each working level with no cracks/splits?									
	v			31) Safe access provided to each working level?									
	9			32) Scaffold and components not overloaded?									
	<u> </u>										121	33) Is scaffold system plumb and level? 34) Suspended scaffold systems using independent personal fall arrest system?	
	ō	ö	Ĭ	35) Other? Extra Credit?									
		,	,										
FALL	O O			36) Is a full body harness used where required?									
PROTECTION Comments/Notes:	Ø			37) Tied off at all times to structural element capable of supporting 5,000 lbs/person? 38) Is protection provided for all personnel working in areas where they could fall 6' or more?									
	7			39) Are employees trained for fall protection systems in use?									
				40) Does the contractor have a certified competent person?									
		<u> </u>		41) Have standard guardrails been provided where required? 42) Have horizontal life lines been designed and installed under supervision of a qualified person?									
		ā	Ø	43) Other? Extra Credit?									
0.47770001/													
CATEGORY:	-												
LADDER SAFETY	Į.			44) Do ladders extend 3' above landing platform and tied to structure?									
Comments/Notes:	<u> </u>			45) Are ladders used with hand tools only?									
				46) Are ladder base distances from structure 1/4 height? 47) Are floor openings either covered or surrounded by a guardrail?									
				41) Are noor openings either covered or surrounded by a guardrail? 48) Electricians not using portable "conductive" ladders?									
				48) Stainways provided on all structures over 20' during construction and supplied with guardrail?									
	Ø			50) Portable step ladders over 20' not used on the site?									



CONTRAC	TOF	R SI	TE	SAFETY ASSESSMENT	
	Ø			51) Are ladders properly used?	
			V	52) Other? Extra Credit?	
	_	_			
EXCAVATIONS	O O			53) Does excavation over 4' deep have a ladder within 25' and two means of egress?	·
Comments/Notes:	Ø			54) Has proper slope or trench box/shoring been provided? 55) Is water controlled/removed?	
			ö	55) is water controlled removed ? 56) is excavated material at least 2' back from trench edge?	
	Ī	ō	ō	57) is excavation barricaded, etc., to prevent workers and public from falling into trench/hole?	
	Ø	ā	ō	58) In locations of known or suspected contamination, is excavation atmosphere monitored?	
	Ø			59) Does contractor have certified competent person on site?	
				60) Other? Extra Credit?	
	-		_		
ELECTRICAL	<u> </u>			61) Are temporary power panels and receptacles protected from weather?	
Comments/Notes:				62) Are GFCI's in use for site tools ?	
			0	63) Are temporary lights rigged and secured to supports properly, and with covers?	
	y V			64) If overhead power lines are in area, are operations maintaining required distance or isolation?	
	Ø			65) Is lockout/tagout program in effect? 66) Has a sketch of proposed temporary power distribution been submitted/accepted before installing?	·
	ă		Ĭ	on mas a sketch or proposed temporary power distribution been submitted accepted before misaning? 67) Other? Extra Credit?	
	ō	ō	Ō	68) Other? Extra Credit?	
CRANES	盘			69) Has periodic inspection been performed prior to use on site IAW EM 385-1-1, App. H?	
Comments/Notes:	Ø			70) Are App. H daily start up inspections performed by operator and submitted with DRI?	
	☑			71) Is crane operator qualified IAW EM 385-1-1, App. G, and is crane certification posted in cab?	
	핃			72) Are workers protected from the crane swing radius and prevented from passing under the load?	
	뇓			73) Are rigging cables and slings in good repair free of kinks and cracks?	
	댇			74) Is the crane level and on firm ground and outriggers in use with appropriate cribbing?	
		ä		75) Is crane side loading prohibited?	
		ă	ö	76) Near electric power sources, are rules followed for clearance/isolation in operating zone? 77) Is crane equipped with anti two-block device if required?	
	ī	ā	Ø	77) other Catra Credit?	
CONFINED			Ø.	79) Has entry plan been submitted and accepted?	
SPACES			(Z)	80) Is atmosphere being monitored?	
Comments/Notes:				81) Is space being ventilated?	
	님		5	82) Are entrants, attendants and entry supervisor properly trained?	
	H	H		83) Is rescueiretrieval system in place?	
	Ħ	ä	Ö	84) Are daily entry permits posted at point of entry and signed by entry supervisor? 85) Is point of entry posted "DANGER CONFINED SPACE"?	
	ō	ō	Ō	86) Has blanking or locking out of systems taken place?	
			2	87) Olher? Extra Credit?	
	_	_			
ROOFING				88) Are kettles at least 25 feet away from buildings?	
Comments/Notes:				80) Has an employee fall protection system been implemented and in proper use?	
			2	90) Are skylights and roof penetrations covered or barricaded appropriately?	
		ä		91) Has the roof been evaluated for its ability to support the intended construction loads?	
		ŏ	Ī	92) Has the roof been surveyed for deterioration? 93) Are two fire extinguishers at the kettle?	
	ō	ŏ	Ø	94) Fuel cylinder a minimum of 10' from open flame?	
		$\bar{\Box}$	Ī	95) Other? Extra Credit?	
			☑	96) Other? Extra Credit?	
CATEGORY:					
EQUIPMENT	\Box			97) Are forklift operators qualified through training at the site (certificate included in Safety Plan)?	1
Comments/Notes:	O O			98) Does mobile equipment have rollover cages and backup alarms, with moving parts adequately guarded?	
	Ø.			99) Are equipment operations maintaining safe clearance from electrical power lines?	
		000000	Ø	100) Do modifications meet safety rating per manufacturer (i.e., lifting personnel with forklift)?	
	녣			101) Are safety lashings provided for high pressure hose connections, i.e., air compressors?	<u> </u>
	뇓	닏		102) Are workers clear of blind spots associated with mobile construction equipment?	ļ
	H	님	<u> </u>	103) Do aerial lifts have basket/platform with guardrail?	<u> </u>
	H	H	NG.	104) Are workers not extending over guardrail of aerial lifts?	
			<u> </u>	105) Are articulating boom platforms (JLG type) used with Full Body Harness attached to boom or basket?	<u> </u>
				106) Other? Extra Credit?	ļ
				107) Other? Extra Credit?	l



DEMOLITION			Ø		ion plan been submitted and accep					
Comments/Notes:			Ø		eing dropped > 6' is it in an enclos					
					demolition, has notification been r		jurisdiction?			
			2		moved from scrap lumber/material	s?				
	H			115) Other? Extra						
	L3	لالا	Image: Control of the	116) Other? Extra	a Credit?					
PPE	Ø			117) Workers we	aring leather shoes (not tennis), lo	ng pants, sleeved sh	irts, and steel toes where required?		1	
Comments/Notes:	Ø			118) Are hard hal	ts being wom?					
	Ø			119) Are safety g	lasses where appropriate?					
	回			120) Hearing prof	tection where appropriate? (if you i	need to yell to conve	rse)			
	S S			121) Respirators	where appropriate?					
				122) Impalement	protection provided where person	nel could work above	vertical impalement?			
	☑			123) Is lighting ac	dequate?					
			v	124) Other? Extra	a Credit?					
ABATEMENT			Ø	125) Has abatem	ent plan been submitted and acce	pted?			ı	
				126) Is independe	ent air monitoring being performed	as required inside a	nd outside barriers?			
Comments/Notes:				127) Is containme						
			(J	128) Are employe	es utilizing appropriate PPE?					
			Ø	129) If negative a	29) If negative air is used, are fans used continuously and monitored for pressure differential?					
			\Box	130) Has baselin	(30) Has baseline been performed and necessary final clearance readings taken?					
		Ö	0		ons by independent PQP performe		oval?			
					132) Is waste material properly containerized and stored?					
			233) Are air monitoring results provided to ROICC?							
	님				34) Are waste shipment records provided to ROICC?					
	iJ	لسا	(T)	135) Other? Extra	a Credit?					
WATERFRONT			3		ees wearing appropriate flotation d	evices (PFDs)?	Upgrade Fuel Pipeline			
ACTIVITIES				137) is a rescue s						
Comments/Notes:			Image: Control of the		ncy life rings available?					
	H		Ö		rations are taking place, has a div					
	H	ä			eam consist of proper number and	qualifications for em	ployees?			
	i)	LLJ	1	141) Other? Extra	Credit?		· · · · · · · · · · · · · · · · · · ·			
					cludes responses for category o	f "Yes" and "No" b	ut does not include N/A)			
		sponses	tor ea	ch category = Y	OHATION - VIV					
SCORE FOR EACH CA					QUATION = Y / X					
1 PREPARA				100%	6 LADDER SAFETY:		11 ROOFING:			
					7 EXCAVATIONS:		12 EQUIPMENT:	100%		
				100%	8 ELECTRICAL:		13 DEMOLITION:			
4 SCAFFOL	D SAFET	Y:		100%	9 CRANES:	100%	14 PPE:	100%		
5 FALL PRO	OTECTION	N:		83%	10 CONFINED SPACES	N/A		N/A		
							16 WATERFRONT ACTIVITIES:	N/A		

NOTE: Calculations for temporary walkways will be submitted once calculations are finalized for item number 41.

OVERALL RATING = AVERAGE RATING FOR ALL CATEGORIES:

Schuyler, Kody

Digitally signed by Schuyler, Kody
DN: dc=local, dc=quantaservices,
ou=Quanta Subsidiaries, ou=Nova,
ou=Guam, ou=Users, cn=Schuyler, Kody
Date: 2015.10.06 10:42:36 + 10'00'

I have reviewed this report and find that it reflects actual site conditions during this reporting period.

Digitally signed by IBANEZ MAURICE P 1184802895 DN: crUS, orU S. Government, our DOD, our DPK, our USA, crs IBANEZ MAURICE P 11848028 95 Date: 2015.11.09 08 51:43 +10'00'



ROICC OFFICE:	NAVEA	C Maria	anas	DATE: 10/31/2015	
CONTRACTOR:	NOVA-	UCCO	J۷		
CONTRACT TITLE	Upgrac	ie Fuel i	Pipeli	ineCONTRACT 47.24 % COMPLETE:	
CONTRACTOR SU	JPERIN'	TENDE	NT: _	Bruce Levan	
0.4750000					
CATEGORY:	(Von)	(No)	(NI/A)		
	(Yes)	(No)	(N/A)	-	
PREPARATORY	Ø			1) Activity Hazard Analysis performed and used on the site for each definable feature of work?	
PHASE (Planning)				2) Are weekly safety meetings and indoctrination held on site and documented for all workers?	
Comments/Notes:	\ \ \			Is the submitted safety plan on site and in use? 4) Is the Activity Hazard Analysis reviewed during the preparatory inspection?	
	\Box	ō		5) Hazardous materials program in place with MSDS sheets on site and maintained?	
	\Box			6) EM 385-1-1 available on the site?	
			Ø	7) Other? Extra Credit?	
OFFICE TRAILER	4			8) Are office and storage trailers anchored?	
GENERAL	$\overline{\mathbf{z}}$			9) Are emergency phone numbers posted?	
Comments/Notes:	<u> </u>			10) is a phone available?	
	<u> </u>			11) First aid log maintained (contractors must use OSHA Form 300)? 12) Tollet facilities available?	
	Z.			13) Site posted "HARD HAT AREA," "NOISE HAZARD," "CONSTRUCTION AREA," etc., as required?	
	Image: Control of the			14) Garbage cans and dumpsters available?	
	o o			15) Jobsite cleaned daily?	
	ä	ă	Ø	16) Is traffic control around site adequate? 17) Other? Extra Credit?	
	_	_	_		
FIRE PREVENTION	☑			18) Are fire extinguishers available, fully charged, and easily visible within 75 feet for low hazard areas?	
Comments/Notes:	<u> </u>	H		19) Is fuel stored in proper containers?	
	o o			20) Are hot work permits being obtained? 21) Are fire watches provided?	
				22) Are gas cylinders stored upright and secured with chain or rope?	
				23) Is Housekeeping acceptable?	
			Ø	24) Other? Extra Credit?	
SCAFFOLD			Ø	25) Are daily scaffold inspections performed by designated competent person?	
SAFETY			<u> </u>	26) Planks overlapped not less than 6" or more than 12" over end supports with toe boards in place?	
Comments/Notes:				27) Tubing pinned properly and all cross bracing in place?	
			<u> </u>	28) If scaffold height is 4X smallest base dimension, is system secured to structure?	
	H	ă	Ø	29) All guardraits are in place? 30) Full work platform at each working level with no cracks/splits?	
			V	31) Safe access provided to each working level?	
			\Box	32) Scaffold and components not overloaded?	
				33) Is scaffold system plumb and level?	
	Ħ	ă		34) Suspended scaffold systems using independent personal fall arrest system? 35) Other? Extra Credit?	
				SO OTHER STORE	
<u>FALL</u>	핃			36) Is a full body harness used where required?	
PROTECTION	Ø.			37) Tied off at all times to structural element capable of supporting 5,000 lbs/person?	
Comments/Notes:	[] []			38) Is protection provided for all personnel working in areas where they could fall 6' or more?	
	<u> </u>	Ö	\Box	39) Are employees trained for fall protection systems in use? 40) Does the contractor have a certified competent person?	
				41) Have standard guardrails been provided where required?	
				42) Have horizontal life lines been designed and installed under supervision of a qualified person?	
	ш	Ц	Ø	43) Other? Extra Credit?	
CATEGORY:					
CATEGORI.	-				
LADDER SAFETY				44) Do ladders extend 3' above landing platform and tied to structure?	
Comments/Notes:	\square			45) Are ladders used with hand tools only?	
	띰	H		46) Are ladder base distances from structure 1/4 height?	
		Ï		47) Are floor openings either covered or surrounded by a guardrail? 48) Electricians not using portable "conductive" ladders?	
			$\overline{\mathcal{L}}$	49) Stairways provided on all structures over 20' during construction and supplied with guardrail?	
	브	닏		50) Portable step ladders over 20' not used on the site?	



CONTRACTOR SITE SAFETY ASSESSMENT 51) Are ladders properly used? 52) Other? Extra Cred ¥ **EXCAVATIONS** 53) Does excavation over 4' deep have a ladder within 25' and two means of egress? omments/Notes 54) Has proper slope or trench box/shoring been provided? П 55) Is water controlled/removed? 56) Is excavated material at least 2' back from trench edge? 57) Is excavation barricaded, etc., to prevent workers and public from falling into trench/hole? 58) In locations of known or suspected contamination, is excavation atmosphere monitored? 59) Does contractor have certified competent person on site? \Box 60) Other? Extra Credit? 3 1 ELECTRICAL 61) Are temporary power panels and receptacles protected from weather? Comments/Notes 62) Are GFCI's in use for site tools ? Ø 63) Are temporary lights rigged and secured to supports properly, and with covers? 64) If overhead power lines are in area, are operations maintaining required distance or isolation? 65) Is lockout/tagout program in effect? 66) Has a sketch of proposed temporary power distribution been submitted/accepted before installing? 67) Other? Extra Credit? $\overline{\mathbf{Y}}$ 68) Other? Extra Credit? CRANES 69) Has periodic inspection been performed prior to use on site IAW EM 385-1-1, App. H? Comments/Notes: 70) Are App. H daily start up inspections performed by operator and submitted with DRI? 71) Is crane operator qualified IAW EM 385-1-1, App. G, and is crane certification posted in cab? 72) Are workers protected from the crane swing radius and prevented from passing under the load? 73) Are rigging cables and slings in good repair free of kinks and cracks? 74) Is the crane level and on firm ground and outriggers in use with appropriate cribbing? 75) Is crane side loading prohibited? 76) Near electric power sources, are rules followed for clearance/isolation in operating zone? 77) Is crane equipped with anti two-block device if required? 78) Other? Extra Credit? CONFINED 79) Has entry plan been submitted and accepted? **SPACES** [7] 80) is atmosphere being monitored? $\overline{\Box}$ 81) Is space being ventilated? ☒ 82) Are entrants, attendants and entry supervisor properly trained? ☑ 83) Is rescue/retrieval system in place? \square 84) Are daily entry permits posted at point of entry and signed by entry supervisor? $\overline{\square}$ 85) Is point of entry posted "DANGER CONFINED SPACE"? 86) Has blanking or locking out of systems taken place? 87) Other? Extra Credit? ROOFING 88) Are kettles at least 25 feet away from buildings? 89) Has an employee fall protection system been implemented and in proper use? 90) Are skylights and roof penetrations covered or barricaded appropriately? ☑ 91) Has the roof been evaluated for its ability to support the intended construction loads? 92) Has the roof been surveyed for deterioration? 93) Are two fire extinguishers at the kettle? Ø 94) Fuel cylinder a minimum of 10' from open flame? 95) Other? Extra Credit? 96) Other? Extra Credit? CATEGORY: **EQUIPMENT** 97) Are forklift operators qualified through training at the site (certificate included in Safety Plan)? 98) Does mobile equipment have rollover cages and backup alarms, with moving parts adequately guarded? ō 99) Are equipment operations maintaining safe clearance from electrical power lines? 100) Do modifications meet safety rating per manufacturer (i.e., lifting personnel with forklift)? 101) Are safety lashings provided for high pressure hose connections, i.e., air compressors? 102) Are workers clear of blind spots associated with mobile construction equipment? 103) Do aerial lifts have basket/platform with guardrail? 104) Are workers not extending over guardrail of aerial lifts? 105) Are articulating boom platforms (JLG type) used with Full Body Harness attached to boom or basket? Image: Control of the 106) Other? Extra Credit? 107) Other? Extra Credit?



DEMOLITION Comments/Notes:			2		ition plan been submitted and acception being dropped > 6' is it in an enclose		troe secured from traffic 2		ļ			
oommonio, totoo.	Ē	ō	Ø		g demolition, has notification been r							
	ō	╗			emoved from scrap lumber/material		ving junediction		 			
				115) Other? Ex					 			
				116) Other? Ex	· · · · · · · · · · · · · · · · · · ·				+			
PPE	⊘				······································	ng pants, sleeved	d shirts, and steel toes where required?		<u> </u>			
Comments/Notes:			J 🗆			ats being worn?						
		5					glasses where appropriate?				 	
			Ħ		otection where appropriate? (if you	need to yell to co	nverse)					
	Ø		ŏ	121) Respirator	s where appropriate?							
		ă			nt protection provided where person	nel could work at	ove vertical impalement?					
				123) Is lighting								
			2	124) Other? Ex	tra Credit?							
ABATEMENT			Ø	125) Has abate	ment plan been submitted and acce	pted?			ı			
			V	126) Is indepen	dent air monitoring being performed	as required insid	le and outside barriers?					
Comments/Notes:						127) Is contains	127) Is containment in place without integrity compromise?					
				128) Are emplo	yees utilizing appropriate PPE?							
	□		$\overline{\mathbf{A}}$	129) If negative	air is used, are fans used continuou	isly and monitore	ed for pressure differential?					
				130) Has baseline been performed and necessary final clearance readings taken?								
	닏		$\overline{\Omega}$	131) Are inspec	31) Are inspections by Independent PQP performed prior to barrier removal?							
	님						132) Is waste material property containerized and stored?					
	님				nitoring results provided to ROICC?	*************************************			<u> </u>			
	H				shipment records provided to ROIC	C?						
	LJ		7	135) Other? Ex	ra Credit?							
WATERFRONT			Ø	136) Are emplo	yees wearing appropriate flotation d	evices (PFDs)?	Upgrade Fuel Pipeline		I			
<u>ACTIVITIES</u>			7	137) Is a rescue	skiff available?							
Comments/Notes:	□		\square	138) Are emerg	ency life rings available?			· · · · · · · · · · · · · · · · · · ·				
	□		\square	139) If diving or	perations are taking place, has a div	e plan been subn	nitted and accepted?					
				140) Does dive	team consist of proper number and	qualifications for	employees?	····				
			Ø,	141) Other? Ex	ra Credit?							
					ncludes responses for category of	f "Yes" and "No	" but does not include N/A)					
		sponses	for ea	ch category = Y								
SCORE FOR EACH CA					EQUATION = Y / X							
1 PREPARA					6 LADDER SAFETY:		11 ROOFING:		-			
2 OFFICE I	RAILER G	ENERA	- —	100%	7 EXCAVATIONS:			100%				
3 FIRE PRE	VENTION	:		100%	8 ELECTRICAL:	100%						
				N/A	9 CRANES:		14 PPE:		-			
5 FALL PRO	OTECTION	l: —		100%	10 CONFINED SPACES:	N/A	15 ABATEMENT:	N/A				
							16 WATERFRONT ACTIVITIES:	N/A	-			
OVERALL	RATING	= AVERA	IGE R	ATING FOR ALL	CATEGORIES:		100%					

Schuyler, Kody
DN: dc=local, dc=quantaservices, ou=Quanta Subsidiaries, ou=Nova, ou=Guam, ou=Users, cn=Schuyler, Kody
Date: 2015.11.02 13:38:04 +10'00'

 $\label{eq:Attachment} Attachment~A-6 \\ Waste Management~Monthly~Summary~Report~Form~-~Construction~Demolition~(C~D)~Debris/Waste$

			and the second british	Controlled Annual	, included a community	יסווסנו שכנוסוו שפווי	סוונוסוו (ביט) טרטווט/	***************************************			
	Contract Number		N40192-13-C-1300	Contract Site	1	Upgrade Fuel Pipeline, GUAM	_ Contractor Name	ı	p, Inc. – Undergrour	NOVA Group, Inc Underground Construction Company Inc., a JV	y Inc., a JV
	Date Submitted		1-Nov-15	Submitted By	Willia	William Wells	_ Reporting Period		October-15	•	
	- 11 1-11	Gene	Generation			Diversion		696	,		
LIST OF TYPES OF C&D DEBRIS/WASTE	Estimated Volume (cu.yd)	Estimated Weight (tons)	Conversion Factor (lbs/cu.yd) **	Total tons to be Generated	Tons to be Recycled	Tons to be Reused or Salvaged	Total Tons Recycled, Reused, or Salvaged	Total Tons Disposed	Name of Hauler	Name of Facility	Diversion Rate
Asphalt	48	16.8	700	16.8	17			17	Valdez	L&P Lujans (Hemlani)) 0%
Concrete	0			0	0	0		0			
Clean Soil	560	5(560	56		56		560 Valdez	L&P Lujans (Hemlani)) 100%
Andrews and the second									*****		
				-	A. Carlotte and the car						
ST. AND STREET HERE OF THE STREET, STR											
TOTAL C&D WASTE				TOTAL	IATOT	TOTAL	ΤΟΤΔΙ	TOTAL			TOTAL
CIAL COD WAS I				477 101AL	577 1014E	0.24	1012	101AL			OTAL
Report (each month) - 1) Total tons generated, 2) Total tons recycled, 3) Tons reused/salvaged, 4)) Total tons diversion (C&D), and 6) Total Disposal	tons generated,	2) Total tons recy	cled, 3) Tons reus	sed/salvaged, 4))	Total tons diver	sion (C&D), and	6) Total Disposal				9.
Note: Green waste diversion cannot count towards the C&D diversion, but can be counted towards the solid waste diversion Note: Green waste diversion must be reported as solid waste diversion, it cannot be included in the calculation to meet the 50% C&D waste landfill	annot count towa	rds the C&D dive as solid waste div	rsion, but can be ersion, it cannot b	counted towards be included in the	the solid waste of calculation to m	diversion eet the 50% C&I		diversion goal.			
Estimated Project C&D Diversion Rate:	sion Rate:		50%								
Estimated Total Project C&D Diversion Rate:	Diversion Rate :		50%				William W	Digitally sign	Digitally signed by William Wells DN: CFUS, Enweils@novagp.com.		
Droject Manager Certification (Drint Name)	(Drint Name)		Marilliam Maril	Mole		(Signatura)			Deta: 2015.12.01 08:09:55+10'00'	(Data)	

Project Manager Certification (Print Name)

Attachment A-6

Attachment A-6

Waste Management Monthly Summary Report Form - Construction Demolition (C D) Debris/Waste

				,			section bemonton (e.b) bearing	***************************************			
	Contract Number	N40192-1	N40192-13-C-1300	Contract Site		Upgrade Fuel Pipeline, GUAM	_ Contractor Name	1	p, Inc. – Undergrour	NOVA Group, Inc Underground Construction Company Inc., a JV	y Inc., a JV
	Date Submitted	1-0	1-Oct-15	Submitted By	Willia	William Wells	_ Reporting Period	1	September-15	Í	
LIST OF TYPES OF C&D	Estimated Volume	Estimated Weight (fons)	Generation Conversion	Total tons to	Tons to be	Diversion Tons to be	Total Tons	Disposal Total Tons	Name of Hauler	Name of Facility	Diversion
			(lbs/cu.yd) **		•	Salvaged	Reused, or Salvaged	1			
Asphalt	o	0	700	0	0			0			
Concrete	0	0	900	0	0		0 0				
Clean Soil	1392	1392	2000	1392	1392		13	1392	JMC/Valdez	L&P Lujans (Hemlani)	100%
		4 0 0									
annita e e e e e e e e e e e e e e e e e e e											
TOTAL C&D WASTE				TOTAL	TOTAL	TOTAL	TOTAL	TOTAL			TOTAL
				1392	1392.0		0 1392.0	1392			100%
Report (each month) - 1) Total tons generated, 2) Total tons recycled, 3) Tons reused/salvaged, 4)) Total tons diversion (C&D), and 6) Total Disposal	ons generated, 2	2) Total tons recy	cled, 3) Tons reu	sed/salvaged, 4)) ⊺otal tons dive	sion (C&D), and	6) Total Disposal				
Note: Green waste diversion cannot count towards the C&D diversion, but can be counted towards the solid waste diversion Note: Green waste diversion must be reported as solid waste diversion, it cannot be included in the calculation to meet the 50% C&D waste landfill	nnot count towar ust be reported a	ds the C&D diverse solid waste diverse.	rsion, but can be ersion, it cannot t	counted towards be included in the	the solid waste calculation to m	diversion leet the 50% C&I		diversion goal.			
Estimated Project C&D Diversion Rate:	on Rate:		50%								
Estimated Total Project C&D Diversion Rate :	version Rate :		50%			<	William We	C	Dicharty signed by William Wells DN; C±US, E=wwells@novagrp.com, C=*Nova Group, Inc. *,		
Project Manager Certification (Print Name)	rint Name)		Willian	William Wells		(Signature)		Date: 2015.	10.22 12:52:44+10'00'	(Date)	

Attachment A-7 Attachment Paper Form - Solid Waste Waste Management Monthly Summary Report Form - Solid Waste

TOTAL SOLID WASTE	Pipeline Easement	AAFB	Sasa Valley	TOTAL GREEN WASTES*				The state of the s	 The state of the s	General Office Garbage	Scrap Metal	Cardboard	Aluminum Cans	Mixed Paper	Plastic Bottles	Glass Bottles	WASTE	LIST OF TYPES OF SOLID			
	0	0	0							4	0	0	0	0	0.5	0	Volume (cu.yd) Weight (tons)	Estimated		Date Submitted	Contract Number
	0	0	0							0.5	0	0	0	0	0.01	0		Estimated	Monthly 6	1-No	
	350	350	350					Comment of the Commen		250	1000	100	63	568	36	600	Factor (lbs/cu.yd)**	Conversion	Monthly Generation	1-Nov-15	N40192-13-C-1300
TOTAL	0	0	0	TOTAL						0.5	0	0	0	0	0.009	0	be Generated	Total tons to		_ Submitted By	Contract Site
TOTAL	0	0	0							0	0	0	0	0	0.009	0	Recycled	Tons to be			
TOTAL	:									0	0	0	0	0	0	0	Reused or Salvaged	Tons to be	Diversion	Wilkam We∦s	Upgrade Fuel Pipeline, GUAM
TOTAL	0	0	0	TOTAL						0	0	0	0	0	0.009	0	Recycled, Reused, or Salvaged	Total Tons		Reporting Period	_ Contractor Name
TOTAL	0	0	0	TOTAL						0.5	0	0	0	0	0.009	0	Disposed	Total Tons	Disposal	Oct	
										Mr. Rubbishman					Mr. Rubbishman			Name of Hauler		October-15	NOVA Group, Inc Underground Construction Company Inc., a JV
										Maloloj Landfill					Maloloj Landfill			Name of Hauler Name of Facility Diversion Rate		t .	Construction Comp
TOTAL										0					0			Diversion Rate			any inc., a JV

Report (each month) - 1) Total tons generated, 2) Total tons recycled, 3) Tons reused/salvaged, 4) Total tons diversion (solid waste), and 6) Total Disposal

0.5

*Green waste cannot count towards C&D diversion, but can be counted towards the solid waste diversion ** See attached conversion sheet

Project Manager Certification (Print Name)	Estimated Total Project Solid Waste Diversion Rate :	Estimated Project Solid Waste Diversion Rate:	Estimated Project Green Waste Diversion Rate
William Wells	50%	50%	80%
(Signature)	William Wells Free Box Group Inc. CONTW		
Data: 2015.12.01 08	S E www.ls@novagrp.i	Digitally signed by W	

William Wells p.com, O="Nova William Wells 08:11:12+10'00'

Attachment A-7

Attachment A-7

Waste Management Monthly Summary Report Form - Solid Waste

	Contract Number		N40192-13-C-1300	Contract Site		Upgrade Fuel Pipeline, GUAM	Contractor Name		NOVA Group. Inc. – Underground Construction Company Inc., a JV	Construction Compa	ynvinc. a JV
	Date Submitted		1-Oct-15	_ Submitted By		William Wells	_ Reporting Period		September-15	,	
		Monthly (Monthly Generation			Diversion		Disposal			
LIST OF TYPES OF SOLID	Estimated		Conversion	Total tons to	Tons to be	Tons to be	Total Tons	Total Tons	Name of Hauler	Name of Facility Diversion Rate	Diversion Rate
WASTE	Volume (cu.yd) Weight (tons)		Factor (lbs/cu.yd)**	be Generated	Recycled	Reused or Salvaged	Recycled, Reused, or Salvaged	Disposed			
Glass Bottles	0	0	600	0	0	0	0	0			
Plastic Bottles	0.5	0.01	36	0.009	0.009	0	0.009	0.009	Self	Payless Donate	100
Mixed Paper	0	0	568	0	0	0	0	0			
Aluminum Cans	0	0	63	0	0	0	0	0			
Cardboard	0	0	100	0	0	0	0	0			
Scrap Metal	0	0	1000	0	0	0	0	0			
General Office Garbage	4	0.5	250	0.5	0	0	0	0.5	Mr. Rubbishman	Maloloj Landfill	0
						-					
A CONTRACTOR OF THE PROPERTY AND ADDRESS OF THE PROPERTY OF TH							ı				
									The second secon		
			The state of the s								
TOTAL GREEN WASTES*				TOTAL			TOTAL	TOTAL			
Sasa Valley	0	0	350	0	0		0	0			
AAFB	0	0	350	0	0		0	0			
Pipeline Easement	16	0	350	2.8	2.8		2.8	0	JMC	Primos	100
TOTAL SOLID WASTE				TOTAL	TOTAL	TOTAL	TOTAL	TOTAL			TOTAL
				3.3	2.8	0.0	2.8	0.5			25%

Report (each month) - 1) Total tons generated, 2) Total tons recycled, 3) Tons reused/salvaged, 4) Total tons diversion (solid waste), and 6) Total Disposal

*Green waste cannot count towards C&D diversion, but can be counted towards the solid waste diversion ** See attached conversion sheet

(Date)	(Signature)	William Wells	Project Manager Certification (Print Name)
William Wells of the Conference of the Conferenc		50%	Estimated Total Project Solid Waste Diversion Rate :
Digately, signed by William Wells DN: CTUS. In the water of the community		50%	Estimated Project Solid Waste Diversion Rate:
		80%	Estimated Project Green Waste Diversion Rate

CONTRAC	T NO. AND TITLE:	N40192-13-R-1300, Upgrade Fuel Pipeline
CONTRAC	TOR:	NOVA Group, Inc. – Underground Construction Company Inc., a Joint Venture
INVOICE N	NUMBER:	12
	TF	ANSPORTATION OF SUPPLIES BY SEA
	nce with the terms of the check only one of the f	e contract, I make representation that to the best of my knowledge ollowing):
(1)	No ocean transportati covered by this invoice	on was used in the performance of this contract during the period
X(2)	under the contract du Transportation of Sup the carrier's ocean bill	was used and only U.Sflag vessels were used for all ocean shipmenting the period covered by this invoice. As per DFARS 252.247-7023, plies by Sea, within 30 days of each shipment, an electronic copy of of lading was provided to the Contracting Officer and to dot.gov (MARAD) via email.
(3)		was used, and the Contractor had the written consent of the all non-U.Sflag ocean transportation.
(4)	flag vessels without th	was used and some or all of the shipments were made on non-U.Se written consent of the Contracting Officer. The Contractor shall nts in the following format:
	ITEM DESCRIPTION	CONTRACT LINE ITEMS QUANTITY
TOTAL:		
Aaron Is	Deplety Spend by Asian Kits Of Calific Execution-eapy com. D*NOVA Group. Of Calific Execution-eapy com. D*NOVA Group. Of Calific Execution Communication	<u> 10 November 2015</u>
Contractor'	's Signature	Date
Aaron Isle /	['] Project Manager	
Contractor	Name/Title	

OCEAN BILL OF LADING Log Sheet for Period of Sept 2015

₽		ntract				Description	Contractor	BOL#	Vessel Name	Date Received	Date MARAD Notified
	N40192				L	Upgrade Fuel Pipeline		4568814	MANULANI 114W	18-Sep-15	1-Sep-15
	N40192						Nova - Underground, a JV	7177501	MAUNALEI 097W	30-Sep-15	1-Sep-15
	N40192					Upgrade Fuel Pipeline	Nova - Underground, a JV	3551510	MANULANI 114W	18-Sep-15	1-Sep-15
4	N40192	14	С	1300		Upgrade Fuel Pipeline	Nova - Underground, a JV	3039615	MAUNAWILI 134W	23-Sep-15	1-Sep-15
5											
6											
7		<u> </u>									
8			Ш								
9		<u> </u>	Ш								
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latson. NON-NEGOTIABLE BILL OF LADING PAGE 1 OF 1 DRAFT TARIFF LOAD/DISCHARGE 2045 CY -CY 4568814 EXPORT REFRENCES NOVA UCCO 185 DEVLIN ROAD NAPA, CA 94558 CONSIGNEE FORWARDING AGENT/THIRD PARTY NOVA GROUP INC ANDERSON AFB PROJECT PO BOX 23789 GMF, GU 96921 NOTIFY PARTY POINT AND COUNTRY OF ORIGIN
OAKLAND, CA UNITED STATES NOVA GROUP INC ANDERSON AFB PROJECT PO BOX 23789 GMF, GU 96921 ALSO NOTIFY PARTY INITIAL CARRIAGE PLACE OF RECEIPT 241 W LIHUE VESSEL DOMESTIC ROUTING EXPORT INSTRUCTIONS VOYAGE MANULANI 114 W OAKLAND, CA PORT OF DISCHARD PLACE OF DELIVERY PARTICULARS FURNISHED BY SHIPPER GROBS WEIGHT MKS & NOS/CONTAINER NOS NO. OF PKGS DESCRIPTION OF PACKAGES AND GOODS N/M SHIPPER'S LOAD, COUNT AND SEAL SAID TO CONTAIN 01 x D 40H 48,756.000 LBS CF ELECTRICAL APPLIANCES & EQUIP 22,115.350 KGS СВМ THESE COMMODITIES, TECHNOLOGY, OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED. FREIGHT PREPAID CTR NUMBER SEAL NUMBER TYPE TEMP QTY / TYPE WGT MEASURE MATU251325 -0 " 11940 0 D40H 2015 7 T 4 T QUANTITY COLLECT ITEM DESCRIPTION OF CHARGES RB RATE PREPAID 18 # GOVERNMENT OF GU *CREDIT VALIDATED* ERCHADRA, AGNAST. 80 A set of 1 originals of this bill of lading is hereby issued by the Carrier. Upon surrender to the Carrier of any one negotiable bill of lading property endorsed, all others shall stand void Matson Navigation Company, Inc.

BY: PLACE OF ISSUE MON/DAY/YEAR Maison Navigation Company, inc. hereby acknowledge receipt of the sealed container of packages or other shipping units said to contain the Goods described above in appearant external good order and condition unless otherwise stated. The Shipper agrees, and the Consignes and every person purchasing this instrument for value, it negotiable, or otherwise having an interest in the Goods is advised that the receipt, custody, carriage and delivery of the Goods are subject to all the terms and conditions set forth and incorporated by reference on this side and the reverse hereof, whether written, stamped or printed. **PHOENIX** SEP/11/2015 James EVL NO. MATS 4568814 - 000 Title Senior Vice President, Ocean Services

LIABILITY OF CARRIER IS LIMITED. SEE NOTICE ON REVERSE SIDE.

SHPPER TARREY 2045 CY-CY 4568814 TARREY ADDESSON AFRANCE EMPORT REFRENCES FORWARDING AGENT/THIRD PARTY FORWARDING AGENT/THIRD PARTY FORWARDING AGENT/THIRD PARTY FORWARDING AGENT/THIRD PARTY PONT AND COUNTRY OF ORIGIN OAKLAND, CA UNITED STATES ALSO NOTEY PARTY NOVA GROUP INC ANDERSON AFB PROJECT PO BOX 23789 GMF, GU 96921 FORT AND COUNTRY OF ORIGIN OAKLAND, CA UNITED STATES ALSO NOTEY PARTY FORMARDING EMPORT INSTRUCTIONS ALSO NOTEY PARTY FORMARDING EMPORT INSTRUCTIONS FOR OF OF DESCRIPTION OF PACKAGES AND GOODS FOR OBSESSION OF PACKAGES AND GOODS FOR SWEIGHT MKS & NOS/CONTAINER NOS NO OF PAGS DESCRIPTION OF PACKAGES AND GOODS GROSS WEIGHT MEASUREMENT N/M SHIPPER'S LOAD, COUNT AND SEAL SAID TO CONTAIN 11 × D 40H A8,756.000 LBS 2,147.000 C	Matson.		DRAF	т			NON-NE	GOTIABLE	BILL OF LA	ADING PAGE 1 OF 1
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ITEM	DESCRIPTION OF CHARGES	RB	QUANTITY	RATE	PREPAID	COLLECT
265	OCEAN FREIGHT CHARGE	EA	1	5,727.00	5,727.00	
	ADVANCE CHARGE	EA	1	408.00	408.00	
	GUAM TERMINAL CHARGE	EA	1	808.00	808.00	
	INVASIVE SPECIES FEE	UNIT	49	0.75	36.75	
	TERMINAL HANDLING CHARGE	EA	1	990.00	990.00	
	FUEL RELATED SURCHARGE	PCT	5,727	25.00	1,432.00	
			CREDIT VAL	IDATED	9,401.75	

NOTICE

Matson Navigation Company, Inc. hereby acknowledge receipt of the sealed container of packages or other shipping units said to contain the Goods described above in apparent external good order and condition unless otherwise stated. The Shipper agrees, and the Consignee and every person purchasing this instrument for value, if negotiable, or otherwise having an interest in the Goods is advised that the receipt, custody, carriage and delivery of the Goods are subject to all the terms and conditions set forth and incorporated by reference on this side and the reverse hereof, whether written, stamped or printed.

A set of 1 originals of this bill of lading is hereby issued by the Carrier. Upon surrender to the Carrier of any one negotiable bill of lading properly endorsed, all others shall stand void Matson Navigation Company, Inc.

LIABILITY OF CARRIER IS LIMITED. SEE NOTICE ON REVERSE SIDE.

Title Senior Vice President, Ocean Services

PLACE OF ISSUE MON/DAY/YEAR PHOENIX OCT/29/2015 B/L NO MATS 4568814 - 000

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NOTICE

NOTICE

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A set of 1 originals of this bill of lading is hereby issued by the Carrier. Upon surrender to the Carrier of any one negotiable bill of lading properly endorsed, all others shall stand void Matson Navigation Company, Inc.

CREDIT VALIDATED

Title Senior Vice President, Ocean Services

LIABILITY OF CARRIER IS LIMITED. SEE NOTICE ON REVERSE SIDE.

PLACE OF ISSUE MON/DAY/YEAR **PHOENIX** OCT/29/2015 MATS 7177501 - 000

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IOVA GROUP INC INDERSON AFB PROJECT O BOX 23789 BMF, GU 96921	г				ALSO NOTIFY PA	RIY		
ITIAL CARRIAGE			CE OF RECEIPT					OCATIO
ISSEL MANULANI	VOYAGE 114 W	1 '	TOFLOADING ING BEACH, CA		DOMESTIC ROU	TING EXPORT INSTRUC	TIONS	M
DRT OF DISCHARGE GUAM, GU			E OF DELIVERY				•••	
			PARTICUL				* * * * * * * * * * * * * * * * * * * *	MEASUREMENT
MKB & HOS/CONTAINER NOS	NO. OF PK	GS			CKAGES AND GOODS	AID TO CONTA	GROSS WEIGHT	MEASUREMENT
N/M				, count				
			09 x F 45H				423,432.000	LBS CF
			FBE PIPE		4		192,065.524	KGS CBM
			UNITED STAT	res in acco s. diversion	ORDANCE WIT	H THE EXPORT	WERE EXPORTED ADMINISTRATION PROHIBITED.	FROM THE
	TYPE	TEMP	CTR NUMBER	SEAL	NUMBER	OTY / TYPE	WGT	MEASURE
	F45H		MATU345003	´ -3	*	, O	* ,	
	F45H		MATU345037	-3		0	A'	OFFICE CONTRACTOR
	F45H F45H		MATU345040 MATU345096			0		or our services and the services of
	F45H		MATU345135	-9		0 0	Secretary and	SEP 18 2015
	F45H F45H		MATU345136 MATU345142			0	1 1	- 100
	F45H F45H		MATU345182 MATU345188			0		The state of the state of the
ITEM	DESCRIPTION (OF CHAP	ages	AB	QUANTITY	RATE	PREPAID	COLLECT
Part P		TGMP B(NM 17 OF GL	MENON I				
VIS L UA	- 10 M2 F	1000	IP CO F	£ 00				
				<u> </u>		1	-1-	
						XUREDIT	1	

NOTICE

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Matson Navigation Company, inc. hereby admonviedge receipt
of the sealed container of packages or other shipping units
said to contain the Social described above in apparent
secturnal good order and confident unless atherendes stated. The
Shipper agrees, and the Consignes and every person
purchasing this instrument for value, it recognishes, or otherwise
having an interest in the Goods is advised that the receipt,
custody, cardage and delivery of the Goods are subject to all
the terms and conditions set forth and incorporated by
reference on this side and the reverse hereof, whether written,
stamped or printed.

A set of 1 originals of this bill of lading is hereby issued by the Carrier. Upon surrender to the Carrier of any one negotiable bill of lading properly endorsed, all others shall stand void Matson Navisation Company, Inc.

Title Senior Vice President, Ocean Services

PLACE OF ISSUE MONDAY/YEAR SEP/10/2015 PHOENIX B/L NO. MATS 3551510 - 000

LIABILITY OF CARRIER IS LIMITED. SEE NOTICE ON REVERSE SIDE.

Matso	n.	DRAF	'T'			NON-NEO	GOTIABLE	BILL OF LA	DING PAGE 1 OF 2
SHIPPER						TARIFF	LOAD/DI	SCHARGE I	BOOKING NUMBER
						2045 EXPORT REFRE		R /7F-CY	3551510
NOVA UCCO 185 DEVLIN F NAPA, CA 94									
CONSIGNEE					· · · · · · · · · · · · · · · · · · ·	FORWARDING A	AGENT/THIRD PARTY		
NOVA GROU ANDERSON A PO BOX 2378 GMF, GU 969	AFB PROJEC 19	Т							
NOTIFY PARTY						POINT AND COL	JNTRY OF ORIGIN		
						LOS ANG	SELES, CA UNIT	ED STATES	
NOVA GROU ANDERSON A PO BOX 2378 GMF, GU 969	AFB PROJEC 19	Т				ALSO NOTIFY P	ARTY		
INITIAL CARRIAGE			PL	ACE OF RECEIPT					
VESSEL MANULANI		VOYAGE 114 \		RT OF LOADING ONG BEACH, C	Λ	DOMESTIC ROU	ITING EXPORT INSTRUC	TIONS	
PORT OF DISCHARGE	<u> </u>	114 /		ACE OF DELIVERY	A				
GUAM, GU									
		,		PARTICUI	ARS FUR	NISHED BY	SHIPPER		
MKS & NOS/CO	NTAINER NOS	NO. OF P	KGS		DESCRIPTION OF PA	ACKAGES AND GOOD	s	GROSS WEIGHT	MEASUREMENT
N/M				SHIPPER'S I	OAD, COUNT	AND SEAL S	SAID TO CONTA	IN	
				09 x F 45H					
				FBE PIPE				423,432.000 L	1
				LDE LIFE				192,065.524 K	GS CBM
				UNITED STA	TES IN ACC IS. DIVERSI	ORDANCE WIT		WERE EXPORTED FI ADMINISTRATION PROHIBITED.	ROM THE
		TYPE	TEMP	CTR NUMBER	SEAL	NUMBER	QTY / TYPE	WGT	MEASURE
		F45H F45H F45H F45H		MATU345003 MATU345037 MATU345040 MATU345096	-3 -8		0 0 0 0		
		F45H		MATU345135			0		
		F45H		MATU345136			0		
		F45H F45H		MATU345142 MATU345182			0		
		F45H		MATU345188			0		
ITEM	D	ESCRIPTION (OF CHAF	RGES	RB	QUANTITY	RATE	PREPAID	COLLECT

ITEM	DESCRIPTION OF CHARGES	RB	QUANTITY	RATE	PREPAID	COLLECT
375	OCEAN FREIGHT CHARGE	EA	9	5,740.00	51,660.00	
	DRAYAGE CHARGE	EA	9	301.00	2,709.00	
	GUAM TERMINAL CHARGE	EA	9	808.00	7,272.00	
	INVASIVE SPECIES FEE	UNIT	432	0.75	324.00	
	TERMINAL HANDLING CHARGE	EA	9	990.00	8,910.00	
	FUEL RELATED SURCHARGE	PCT	54,369	23.00	12,505.00	
			:			

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Title Senior Vice President, Ocean Services

LIABILITY OF CARRIER IS LIMITED. SEE NOTICE ON REVERSE SIDE.

	MON/DAY/YEAR OCT/29/2015
B/L NO. MATS 3551510 - 0	000

Matson .	DRAFT			NON-NEG	OTIABLE B	ILL OF LAD	ING PAGE 2 OF 2
SHIPPER				TARIFF 2045	LOAD/DISCH DOOR /	ARGE BOO	OKING NUMBER 51510
NOVA UCCO 185 DEVLIN ROAD NAPA, CA 94558				EXPORT REFRE	NCES		
CONSIGNEE				FORWARDING A	GENT/THIRD PARTY		
NOVA GROUP INC ANDERSON AFB PROJEC PO BOX 23789 GMF, GU 96921	СТ						
NOTIFY PARTY				POINT AND COU LOS ANG	NTRY OF ORIGIN ELES, CA UNITED	STATES	
NOVA GROUP INC ANDERSON AFB PROJEC PO BOX 23789 GMF, GU 96921	СТ			ALSO NOTIFY PA	ARTY		
INITIAL CARRIAGE		PLACE OF RECEIPT					
vessel MANULANI	VOYAGE 114 W	PORT OF LOADING	4	DOMESTIC ROU	TING EXPORT INSTRUCTION	NS	
PORT OF DISCHARGE GUAM, GU		PLACE OF DELIVERY					
		PARTICUL	ARS FURI	NISHED BY	SHIPPER		
MKS & NOS/CONTAINER NOS	NO. OF PKGS	(DESCRIPTION OF PA	CKAGES AND GOODS	6	GROSS WEIGHT	MEASUREMENT
		SHIPPED ON	BOARD : S	SEP/02/2015			
ITEM	DESCRIPTION OF C	HARGES	RB	QUANTITY	RATE	PREPAID	COLLECT

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CREDIT VALIDATED

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PLACE OF ISSUE	MON/DAY/YEAR					
PHOENIX	OCT/29/2015					
B/L NO.						
MATS 3551510 - 0	000					
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NON-NEGOTIABLE BILL OF LADING PAGE 1 OF 1

OCTR PER					2045		R /7F-CY	3039615
NOVA UCCO 185 DEVLIN ROAD NAPA, CA 94558				EXPORT REFREM				
CONSIGNEE			·		FORWARDING AC	GENT/THIRD PARTY		
NOVA GROUP INC ANDERSON AFB PR PO BOX 23789 GMF, GU 96921	ROJECT							
NOTIFY PARTY				 	POINT AND COUR	NTRY OF ORIGIN ELES, CA UNIT	ED STATES	
NOVA GROUP INC ANDERSON AFB PR PO BOX 23789 GMF, GU 96921	ROJECT				ALSO NOTIFY PA	RTY		
INITIAL CARRIAGE		PL	ACE OF RECEIPT					
VESSEL MAUNAWILI	VOYAGE 134 \		RT OF LOADING ONG BEACH, C	Δ	DOMESTIC ROUT	ING EXPORT INSTRUC	TIONS	LOCATIO
PORT OF DISCHARGE GUAM, GU		- -	ACE OF DELIVERY		-			
			PARTICUL	ARS FUR	NISHED BY	SHIPPER		
MKS & NOS/CONTAINER N	NO. OF P	KG8			ACKAGES AND GOODS		GROSS WEIGHT	MEASUREMENT
	TYPE F45H	TEMP	UNITED STA	ODITIES, T TES IN ACC S. DIVERSI EPAID SEAI	TECHNOLOGY, COORDANCE WITH ON CONTRARY L NUMBER SEP/09/2015	THE EXPORT	PROHIBITED.	GS CBM ROM THE
						,	CI	EARAN
ITEM	DESCRIPTION (OF CHAP	RGES	RB	QUANTITY	RATE	PREPAID	COLLECT
					*CHIENT ALL	SEI AAI III AT ED	CUARANTINE AGE COURT ANTINE STENCE COURT ANTINE STENCE COURT ANTINE AGENCY COURT ANTINE A	# # # 003
NO Matson Navigation Company, of the sealed container of pacia said to contain the Goods dee external good order and confil	kages or other shipping units cribed above in apparent		Carrier. Upo properiv end		ill of lading is hereby i e Carrier of any one n shall stand void	ssued by the	PLACE OF ISSUE	MONDAYNEAR SEP/17/2015

exernal good order and condition unless otherwise stated. The Shipper agrees, and the Consignee and every person purchasing this instrument for value, it negotiable, or otherwise having an instreet in the Goods is advised that the receipt, castody, carriage and delivery of the Goods are subject to all the terms and conditions set forth and incorporated by reference on this side and the reverse heroof, whether written, stamped or privided.

Justin 1. A

Title Senior Vice President, Ocean Services

LIABILITY OF CARRIER IS LIMITED. SEE NOTICE ON REVERSE SIDE.

MATS 3039615 - 000

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NON-NEGOTIABLE BILL OF LADING PAGE 1 OF 1

SHIPPER			TARIFF	LOAD/DISCHARGE	BOOKING NUMBER			
			2045	DOOR /7F-CY	3039615			
			EXPORT REFRENCE	EXPORT REFRENCES				
NOVA UCCO								
185 DEVLIN ROAD NAPA, CA 94558								
10 11 7 4 07 1 3 7 3 3 3 3								
CONSIGNEE			FORWARDING AGE	NT/THIRD PARTY				
NOVA GROUP INC								
ANDERSON AFB PROJECT								
PO BOX 23789 GMF, GU 96921								
GWI , GU 30321								
NOTIFY PARTY								
NOTIFY PARTY			POINT AND COUNTI	RY OF ORIGIN LES, CA UNITED STATES				
			ALSO NOTIFY PART					
NOVA GROUP INC ANDERSON AFB PROJECT			ALSO NOTIFI PART	•				
PO BOX 23789								
GMF, GU 96921								
INITIAL CARRIAGE		PLACE OF RECEIPT	······································					
VESSEL	VOYAGE	PORT OF LOADING	DOMESTIC ROUTIN	G EXPORT INSTRUCTIONS				
MAUNAWILI	134 W	LONG BEACH, CA						
PORT OF DISCHARGE	······································	PLACE OF DELIVERY						
GUAM, GU								
		PARTICULARS F	URNISHED BY S	HIPPER				

			PARTICULA	RS FURNISHED B	Y SHIPPER				
MKS & NOS/CONTAINER NOS	CONTAINER NOS NO. OF PKGS			NO. OF PKGS DESCRIPTION OF PACKAGES AND GOODS GROSS V					
N/M			SHIPPER'S LOAI	O, COUNT AND SEAL	SAID TO CONTA	IN			
			01 x F 45H FBE PIPE			46,101.000 20,911.062			
			UNITED STATES	TTIES, TECHNOLOGY, IN ACCORDANCE WI DIVERSION CONTRAF	TH THE EXPORT	ADMINISTRATI		M THE	
	TYPE	TEMP	CTR NUMBER	SEAL NUMBER	QTY / TYPE	WGT		MEASURE	
	F45H		MATU345091 -	7	0				
			SHIPPED ON BO	DARD: SEP/09/201	15				

ITEM	DESCRIPTION OF CHARGES	RB	QUANTITY	RATE	PREPAID	COLLECT
375	OCEAN FREIGHT CHARGE	EA	1	5,740.00	5,740.00	
	ADVANCE CHARGE	EA	1	364.00	364.00	
	DRAYAGE CHARGE	EA	1	301.00	301.00	
	GUAM TERMINAL CHARGE	EA	1	808.00	808.00	
	INVASIVE SPECIES FEE	TINU	47	0.75	35.25	
	TERMINAL HANDLING CHARGE	EA	1	990.00	990.00	
	FUEL RELATED SURCHARGE	PCT	6,041	23.00	1,389.00	
		I	*CREDIT VAL	IDATED*	9,627.25	

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PLACE OF ISSUE	MON/DAY/YEAR
PHOENIX	OCT/29/2015
B/L NO.	000

OCEAN BILL OF LADING Log Sheet for Period of Oct 2015

ID C	ontract	Ne		E CONTRACTOR SECTION S	Description	Contractor	BOL#	Vessel Name	Date Received	Day MARAN N. CC. I
1 N40192			1300		Upgrade Fuel Pipeline	Nova - Underground, a JV	3039615	RJ PFEIFFER 406W	7-Oct-15	Date MARAD Notified 1-Sep-15
2 N40192			1300		Upgrade Fuel Pipeline	Nova - Underground, a JV	6696882	MANUKAI 161W	14-Oct-15	
3 N40192			1300		Upgrade Fuel Pipeline	Nova - Underground, a JV	2584151	MANUKAI 161W	14-Oct-15	
4 N40192		č	1300		Upgrade Fuel Pipeline	Nova - Underground, a JV	5814403	MAUNAWILI 135W	28-Oct-15	
5	+	H	1300		opgrade i dei r ipeille	140va - Oriderground, a 3V	3814403	INAUNAVILI 135V	20-001-13	1-Sep-15
6	+	╌┤								
7	+	Н								
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9	+-	\vdash				<u> </u>				
10	+	Н								
11	+	1				<u> </u>				
12	+	\vdash								
13	+-	\vdash								
14	 	\vdash			<u> </u>		 			
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22	1	П				1	·			
23	1	П								
24	T	\Box						1		
25	\top	П				1				

HPPER	DRA	<u>. T</u>			TARIFF	LOADADIS		ING PAGE 1 OF 1
11 1 4414					2045	DOOR		жив илмее 39615
OVA UCCO 85 DEVLIN ROAD APA, CA 94558					EXPORT REFRE	NCES		
								10 M
SIGNEE					FORWARDING A	GENT/THIRD PARTY		
OVA GROUP INC IDERSON AFB PROJEC [®] O BOX 23789 MF, GU 96921	r			\\		De la	OF WHEN TO THE TOTAL OF	% T6
IFY PARTY					ON NO COL	MIR OF ORIGIN	TO STUTE ON ELVE	
OVA GROUP INC NDERSON AFB PROJEC' D BOX 23789 MF, GU 96921	г				ALSO NOTIFY PA	ELES, CA UNITE RTY	ED STATESOME AND	
AL CARRIAGE		PLF	CE OF RECEIPT				_	
SEL PFEIFFER	VOYAGE 406		TOFLOADING ONG BEACH, CA	\	DOMESTIC ROUT	TING EXPORT INSTRUCT	IONS	CATIO
t of discharge JAM, GU	·····	PLA	CE OF DELIVERY					\mathcal{C}
			PARTICUL	ARS FURI	VISHED BY	SHIPPER		
MKS & NOS/CONTAINER NOS	NO. OF	PKG5			CKAGES AND GOODS		GROSS WEIGHT	MEASUREMENT
′м			SHIPPER'S LA	DAD, COUNT	AND SEAL S.	AID TO CONTA	LN	
			01 x F 45H				49,361.000 LBS	CF
			FBE PIPE				22,389.773 KGS	
			UNITED STAT	res in acco	ORDANCE WIT	H THE EXPORT	NERE EXPORTED FROM ADMINISTRATION PROHIBITED.	M THE
	TYPE	TEMP	CTR NUMBER	SEAL	NUMBER	QTY / TYPE	NGT DA	MEASURE
	F45H		MATU345021	-8		0	PA	U L
			SHIPPED ON	BOARD :	SEP/23/2015			OCT 07 2015
							CLI	EARA
ITEM D	ESCRIPTION	OF CHAR	GES	RB	QUANTITY	RATE	PREPAID	COLLECT
		v111		,,,,		,,,,,,	11121700	
Train 2								
			į					
Train -								

NOTICE

NOTICE

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CREDIT VALIDATED

Title Senior Vice President, Ocean Services LIABILITY OF CARRIER IS LIMITED. SEE NOTICE ON REVERSE SIDE. PLACE OF ISSUE MON/DAY/YEAR PHOENIX SEP/30/2015 B/L NO. MATS 3039615 - 003

Matson.

FREIGHT BILL COPY PAGE 1 OF 1
LOAD/DISCHARGE BOOKING NUMBER

						2045		R /7F-CY 3	039615	
NOVA UCCO 185 DEVLIN I NAPA, CA 94	ROAD					EXPORT REFRE	NCES			
ONSIGNEE						FORWARDING A	GENT/THIRD PARTY			
NOVA GROU ANDERSON PO BOX 2378 GMF, GU 969	AFB PROJEC [*] 39	Г				BILL TO: NOVA UCCO PO BOX 4050 NAPA, CA 94558				
OTIFY PARTY						POINT AND COU	NTRY OF ORIGIN			
NOVA GROU ANDERSON PO BOX 2378 GMF, GU 969	AFB PROJEC [*] 39	г				LOS ANGELES, CA UNITED STATES ALSO NOTIFY PARTY				
IITIAL CARRIAGE		·	PLA	CE OF RECEIPT						
essel MAUNAWILI		VOYAGE 134	W LC	ONG BEACH, C	:A	DOMESTIC ROU	TING EXPORT INSTRUC	TIONS		
ORT OF DISCHARG GUAM, GU	E		PLA	CE OF DELIVERY						
			I	PARTICU	LARS FUR	NISHED BY	SHIPPER			
MKS & NOS/CO	NTAINER NOS	NO. OF I	ekgs		DESCRIPTION OF P	ACKAGES AND GOODS	3	GROSS WEIGHT	MEASUREMENT	
		TYPE	TEMP	UNITED STA	MODITIES, 1 NATES IN ACC NS. DIVERSI	ORDANCE WITH	H THE EXPORT	46,101.000 LB 20,911.062 KG WERE EXPORTED FROMINISTRATION PROHIBITED.	S C	
		F45H		MATU345091 SHIPPED ON FREIGHT CH MATSON NAV	7 N BOARD : HARGES PAYA VIGATION CC	SEP/09/2015 BLE IN U.S.	0			
ITEM	D	SCRIPTION	OF CHAR	GES	RB	QUANTITY	RATE	PREPAID	COLLECT	
375	OCEAN FRE	CHARGE	HARGE		EA EA EA	1 1 1	5,740.00 364.00 301.00	5,740.00 364.00 301.00		
	GUAM TER INVASIVE TERMINAL	MINAL C SPECIE HANDLI	S FEE NG CH		EA UNIT EA	1 47 1	808.00 0.75 990.00	808.00 35.25 990.00		
	FUEL REL	ATED SU	RCHAR	GE	PCT	6,041	23.00	1,389.00		
						*CREDIT VAL		9,627.25		

TARIFF

PLACE OF ISSUE	MON/DAY/YEAR
	OCT/29/2015
B/L NO	
MATS 30396:	15 - 000

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		DRAF	T.	· · · · ·			OTIABLE		DING PAGE 1 OF 1	
SHIPPER						TARIFF 2045			OOKING NUMBER 696882	
NOVA UCCO 185 DEVLIN R NAPA, CA 945			000	CUS	TOMS & QUA	EXPORT REFREI NATIVE ASEN NT OF CLUM	ä"			
NOVA GROUP ANDERSON A PO BOX 2378 GMF, GU 9692	NFB PROJECT 9			BY GUAM CUS	GENT.	PORWARDS AND SELECTION OF THE ASERTY	SENTHÉRD PARTY			•
NOTIFY PARTY		· · · · · · · · · · · · · · · · · · ·		•	· · · · · · · · · · · · · · · · · · ·	POINT AND COU	NTRY OF ORIGIN ELES, CA UNIT	ED STATES		-
NOVA GROUP ANDERSON A PO BOX 2378 GMF, GU 969	NFB PROJECT 9				7	ALSO NOTIFY PA		EU GIAILO		•
INITIAL CARRIAGE			PL	ACE OF RECEIPT		-				
VESSEL		VOYAGE		RT OF LOADING		DOMESTIC ROU	TING EXPORT INSTRUC	Tions	LOCATI	Or
MANUKAI PORT OF DISCHARGE		161 V		ONG BEACH, CA						
GUAM, GU							**************************************		<u> </u>	
•				PARTICUL	ARS FURI	NISHED BY	SHIPPER			_
N/M	NTAINER NOS	NO. OF P	KGS			ACKAGES AND GOODS	AID TO CONTA	GROSS WEIGHT	MEASUREMENT	_
				UNITED STA	TES IN ACCO S. DIVERSIO	ORDANCE WIT		46,670.000 Li 21,169.156 KO WERE EXPORTED FF ADMINISTRATION PROHIBITED.	GS CBM	
		TYPE	TEMP	CTR NUMBER	SEAL	NUMBER	QTY / TYPE	WET P	AG MEASURE	
		F45H		MATU345024		SEP/30/2015	0		OCT 1 4 2015	- `1
								C	LEARALT	i
ITEM	DE	SCRIPTION (OF CHAI	RGES	AB	QUANTITY	RATE	PREPAID	COLLECT	
			•							
						CREDIT VAI	LIDATED			_

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PLACE OF ISSUE MON/DAY/YEAR **PHOENIX** OCT/07/2015 B/L NO. MATS 6696882 - 000

Matso	n.	DRA	FT			NON-NEC	COTTABLE	BTI.I. OF I.AI	DING PAGE 1 OF 1
SHIPPER						TARIFF 2045	LOAD/DIS	CHARGE BC	DOKING NUMBER 696882
NOVA UCCO 185 DEVLIN F NAPA, CA 94	ROAD					EXPORT REFRE		(//P-C1 0	090002
CONSIGNEE						FORWARDING A	AGENT/THIRD PARTY	****	
NOVA GROUI ANDERSON A PO BOX 2378 GMF, GU 969	AFB PROJEC [*] 19	Г							
NOTIFY PARTY	····						INTRY OF ORIGIN	ED STATES	
NOVA GROUI ANDERSON A PO BOX 2378 GMF, GU 969	AFB PROJEC [*] 19	Г				ALSO NOTIFY P		LUSTATES	
INITIAL CARRIAGE			PL	ACE OF RECEIPT					
· · · · · · · · · · · · · · · · · · ·			ONG BEACH, C	Δ	DOMESTIC ROU	ITING EXPORT INSTRUCT	IONS		
PORT OF DISCHARGE GUAM, GU	<u> </u>			CE OF DELIVERY					
				PARTICUL	ARS FUR	NISHED BY	SHIPPER		
MKS & NOS/COI	NTAINER NOS	NO. OF	PKGS			ACKAGES AND GOOD		GROSS WEIGHT	MEASUREMENT
N/M				SHIPPER'S I	LOAD, COUNT	AND SEAL S	AID TO CONTA	IN	
				01 x F 45H	I				
				FBE PIPE				46,670.000 LB: 21,169.156 KG:	i .
			THE PERIOD CONTRACTOR AND ADDRESS OF THE PERIOD	UNITED STA	TES IN ACC IS. DIVERSI	ORDANCE WIT		VERE EXPORTED FRO ADMINISTRATION PROHIBITED.	M THE
		TYPE	TEMP	CTR NUMBER	SEAL	NUMBER	QTY / TYPE	WGT	MEASURE
		F45H		MATU345024	-4		0		
				SHIPPED ON	BOARD :	SEP/30/2015			
ITEM	וח	ESCRIPTION	OF CHAP	GES	RB	QUANTITY	RATE	PREPAID	COLLECT
375	OCEAN FRI				EA	1	5,740.00	5,740.00	COLLECT
	DRAYAGE (EA	1	301.00	301.00	
	GUAM TER	MINAL C	HARGE		EA	1	808.00	808.00	
	INVASIVE	SPECIE	S FEE		UNIT	47	0.75	35.25	
	TERMINAL				EA	1	990.00	990.00	
	FUEL RELA	ATED SU	RCHAR	GE	PCT	6,041	23.00	1,389.00	

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CREDIT VALIDATED

Title Senior Vice President, Ocean Services

LIABILITY OF CARRIER IS LIMITED. SEE NOTICE ON REVERSE SIDE.

	MON/DAY/YEAR OCT/30/2015
B/L NO. MATS 6696882 - 0	000

9,263.25

	DRAI	<u> </u>						DING PAGE 1 OF 1
HPPER					TARIFF	CY -C		800KING NUMBER 2584151
IOVA GROUP INC					EXPORT REFRE	NCES		
L85 DEVLIN ROAD NAPA, CA 94558								
4APA, CA 54556		STOM	& CLIMANTHE	ASENCY				
	909	ا من			999			
ONSIGNEE	#		AT 1 1 4 201	5	FOR EARDING A	GENT/THIRD PARTY		
	STAMP#		I'W'®		A L TO:			
NOVA GROUP INC 185 DEVLIN ROAD	₩ 8¥	GUALL	US ONE THOU	ANT ROO GENC		OUP INC		
NAPA, CA 94558	·	OI I			NAPA, CA	N 94558		
OTIFY PARTY					POINT AND COLL	NTRY OF ORIGIN		
					OAKLAND	D, CA UNITED S	STATES	
NOVA GROUP INC					ALSO NOTHEY PA	RTY		<u> </u>
PO BOX 4050 NAPA, CA 94558								
and any oral ordinate								
					•			
HTIAL CARRIAGE MAUI	048		ACE OF RECEIPT					
ESSEL	VOYAGE		RT OF LOADING		DOMESTIC ROUT	TING EXPORT INSTRUC	TIONS	LOCATION
MANUKAI	161		AKLAND, CA	•				(. A
ORT OF DISCHARGE GUAM, GU		PLA	CE OF DELIVERY					- 4
			PARTICUL	ARS FURN	ISHED BY	SHIPPER		
MKS & NOS/CONTAINER NOS	NO. OF I	PKGS		ESCRIPTION OF PAC			GROSS WEIGHT	MEASUREMENT
N/M	1	Ī	SHIPPER'S L	DAD, COUNT	AND SEAL S	AID TO CONTA	IN	
			01 - 5 405					
			01 x D 40H				20,590.000 L	BS CF
			TBD				9,339.467 K	1
			TUTET COMM	\ntmtee me	במאסזמבע (OB COEMWARE	WERE EXPORTED F	DOM THE
							ADMINISTRATION	
			1		N CONTRARY	TO U.S. LAW	PROHIBITED.	
			FREIGHT PR	EPAID				
	TYPE	TEMP	CTR NUMBER	SEAL	NUMBER	QTY / TYPE	WGT	MEASURE
					_			PAGLALA
	D40H	Ì	MATU252116	-9 00130	15	0	1	2
	Ì		ŀ					007 * 1004
								OCT 14 2015
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		1					~	TITOADA
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				<u> </u>				LEAR!
ПЕМ	DESCRIPTION	OF CHAF	IGES	ПВ	QUANTITY	PATE	PREPAID	COLLECT
ПЕМ	DESCRIPTION	OF CHAF	IGES	RB	QUANTITY	PATE	PREPAID	
ПЕМ	DESCRIPTION	OF CHAF	GES	RB	QUANTITY	RATE	PREPAID	
ПЕМ	DESCRIPTION	OF CHAF	IGES	ЯВ	QUANTITY	RATE	PREPAID	
ПЕМ	DESCRIPTION	OF CHAF	GES	RB	QUANTITY	RATE	PREPAID	
ІТЕМ	DESCRIPTION	OF CHAP	GES	RB .	QUANTITY	PATE	PREPAID	
ПЕМ	DESCRIPTION	OF CHAR	GES	RB	QUANTITY	PATE	PREPAID	
ПЕМ	DESCRIPTION	OF CHAF	GES	RB	QUANTITY	PATE	PREPAID	
ПЕМ	DESCRIPTION	OF CHAP	IGES	RB	QUANTITY	PATE	PREPAID	

NOTICE

NOTICE
Nation Navigation Company, inc. hereby acknowledge receipt of the sealed container of packages or other shipping units said to contain the Goods described above in apparent external good order and contidion unless otherwise stated. The Shipper agrees, and the Consignee and every personal purchasting this instrument for value, it negotiable, or otherwise having an interest in the Goods is achieved that the receipt, custody, carriage and delivery of the Goods are subject to all the terms and conditions set forth and incorporated by reference on this side and the reverse hereof, whether written, stamped or printed.

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Title Senior Vice President, Ocean Services

LIABILITY OF CARRIER IS LIMITED. SEE NOTICE ON REVERSE SIDE.

PLACE OF ISSUE	MONDAY/YEAR
PHOENIX	OCT/07/2015
B/L NO. MATS 2584151 -	000

Matso	n.	DRAFT				NON-NEO	OTIABLE	BILL OF L	ADING PAGE 1 OF 1		
SHIPPER						TARIFF 2045		DISCHARGE	BOOKING NUMBER 2584151		
NOVA GROU 185 DEVLIN I NAPA, CA 94	ROAD					EXPORT REFRE		<u> </u>	2304131		
CONSIGNEE		······································				FORWARDING A	GENT/THIRD PARTY				
NOVA GROUP INC 185 DEVLIN ROAD NAPA, CA 94558						MAIL TO: NOVA GROUP INC PO BOX 4050 NAPA, CA 94558					
NOTIFY PARTY							INTRY OF ORIGIN	STATES			
NOVA GROU PO BOX 4050 NAPA, CA 94)					ALSO NOTIFY P		31/1/23			
INITIAL CARRIAGE		048 W	PLAC	E OF RECEIPT							
VESSEL MANUKAI		VOYAGE 161 W		OF LOADING KLAND, CA		DOMESTIC ROU	TING EXPORT INSTRU	JCTIONS			
PORT OF DISCHARGE	E			E OF DELIVERY							
			<u> </u>	PARTICUL	ARS FUR	NISHED BY	SHIPPER				
MKS & NOS/CO	INTAINER NOS	NO OF PKGS		***************************************		ACKAGES AND GOODS		GROSS WEIGHT	MEASUREMENT		
N/M				SHIPPER'S L	OAD, COUNT	AND SEAL S	AID TO CONT	'AIN			
				01 x D 40H							
		1 FCL		ELECTRICAL	¢WTTCUCE)	ם		20,590.000	LBS 2,147.000 CF KGS 60.796 CBM		
		100		THESE COMM	ODITIES, T TES IN ACC S. DIVERSI	ECHNOLOGY, (H THE EXPOR	WERE EXPORTED IT ADMINISTRATION PROHIBITED.	FROM THE		
		TYPE T	EMP	CTR NUMBER	SEAL	NUMBER	QTY / TYPE	WGT	MEASURE		
		D40H		MATU252116	-9 0013	05	0				
ITEM	DI	ESCRIPTION OF C	CHARG	ES	RB	QUANTITY	RATE	PREPAID	COLLECT		
505		EIGHT CHAF			EA	1	5,727.0	1	1		
		MINAL CHAF SPECIES E			EA UNIT	1 21	808.0	1			
	1	HANDLING		RGE	EA	1	990.0				
	FUEL RELA	ATED SURCE	HARG	E	PCT	5,727	23.0				

NOTICE

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Title Senior Vice President, Ocean Services

LIABILITY OF CARRIER IS LIMITED. SEE NOTICE ON REVERSE SIDE.

PLACE OF ISSUE MON/DAY/YEAR PHOENIX NOV/03/2015 B/L NO. MATS 2584151 - 000

8,857.75

Matson.

DRAFT						ING PAGE 1 OF 1
			2045	CY-CY		KING NUMBER .4403
		,	EXPORT REFRE		OMS & QUARANTINE	AGENCY IAM
			DIE WARDING	тлужа ААВТУ	GOATITUM	r
r	1		IS ON & CULRI	HITHE AS	OCT 28201 RIANO, FERDINA	5 (2) WD 8.17
	13	A COLLEGE			ATES	
r	\		I	•	LO	CATION
						9
049 W	PLACE OF RECEIPT					
VOYAGE 135 W	PORT OF LOADING OAKLAND, CA		DOMESTIC ROU	TING EXPORT INSTRUCT)	ON5	
	PLACE OF DELIVERY					
	PARTICU	LARS FUR	NISHED BY	SHIPPER		
NO. DF PKG					GROSS WEIGHT	MEASUREMENT
	SHIPPER'S	LOAD, COUNT	AND SEAL S	AID TO CONTAI	N	
	ļ			45H (MATU2537	26,091.000 LBS	
	UNITED ST REGULATIO	ATES IN ACC NS. DIVERSI	ORDANCE WIT	H THE EXPORT	ADMINISTRATION	M THE
TYPE T	EMP CTR NUMBE	R SEAL	. NUMBER	QTY / TYPE	WGT	MEASURE
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					oct s	8.2015
ESCRIPTION OF	CHARGES	l BB	QUANTITY	T PATE	PREPAID:	COLLEGI
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· . · · · · · · · · · · · · · · ·	·		100000	LIBATES		
			CHEDIT VA	LIDA (ED*		
y actinowledge receip	_ Carrier. U		e Carrier of any one	/ issued by the negotiable bill of lading	PLACE OF ISSUE PHOENIX	MONDAY/YEAR OCT/21/2015
y actnowledge receip ther shipping units tvo in apparent s otherwise stated. The every person	K Carrier. U property s	Jpon surrender to the endorsed, all others: Matson Navigati	e Carrier of any one	/ Issued by the negotiable bill of lading	 	
	TYPE T	O49 W VOYAGE PORT OF LOADING 135 W OAKLAND, CA PLACE OF DELMERY PARTICU NO. OF PROS SHIPPER'S 1 X D 40H PIPES, VA THESE COM UNITED ST REGULATIO FREIGHT F TYPE TEMP CTR NUMBE	O49 W VOYAGE 135 W PLACE OF RECEPT OA9 W VOYAGE 135 W PARTICULARS FUR PARTICULARS FUR NO. OF PKOS CESCRIPTION OF P. SHIPPER'S LOAD, COUNT 1 X D 40H SUBSTITUTE PIPES, VALVES, PUMPS THESE COMMODITIES, T UNITED STATES IN ACC REGULATIONS. DIVERSI FREIGHT PREPAID TYPE TEMP CTR NUMBER SEAI D40H MATU253729 -4 0002	TABLE 2045 EXPORT REFREE O.49 W VOYAGE 1.35 W PORT AND COU OAKLAND, CA PLACE OF PECEPT PORT THO COU OAKLAND, CA PLACE OF DELIMENT PARTICULARS FURNISHED BY OESCRIPTION OF PACKAGES AND GOODS SHIPPER'S LOAD, COUNT AND SEAL S 1 X D 40H SUBSTITUTED FOR 1 X D PIPES, VALVES, PUMPS THESE COMMODITIES, TECHNOLOGY, UNITED STATES IN ACCORDANCE WIT REGULATIONS. DIVERSION CONTRARY FREIGHT PREPAID TYPE TEMP CTR NUMBER SEAL NUMBER D40H MATU253729 -4 0002893	TARRET 2045 2045 2045 2045 2045 2045 2045 2046 2046 2046 2046 2046 2046 2046 2046	PLACE OF RECEPT VOYAGE 135 W PACE OF PRECEPT NO. OF PNOS PACE OF PRECEPT NO. OF PNOS PLACE OF PRECEPT NO. OF PNOS SHIPPER'S LOAD, COUNT AND SEAL SAID TO CONTAIN 1 X D 40H SUBSTITUTED FOR 1 X D45H (MATU253729-4) PLACE OF RECEPT THESE COMMODITIES, TECHNOLOGY, OR SOFTWARE EXPORTS PARE UNINTED STATES IN RESULTIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED. TYPE TEMP CTR NUMBER SECONPTION OF CHARGES RESOLUTIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED. TYPE TEMP CTR NUMBER SECONPTION OF CHARGES RESOLUTIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED. TYPE TEMP CTR NUMBER SECONPTION OF CHARGES RESOLUTION OF CHARG

LIABILITY OF CARRIER IS LIMITED, SEE NOTICE ON REVERSE SIDE.

Matso	n.	DRA	FT			NON-NE(GOTIABLE	BILL OF LAI	DING PAGE 1 OF 1
SHIPPER						TARIFF		3	OOKING NUMBER
						2045 EXPORT REFRE	CY -C	Υ ο	814403
NOVA UCCO 185 DEVLIN F NAPA, CA 94	ROAD								
CONSIGNEE					FORWARDING A	AGENT/THIRD PARTY			
NOVA GROU ANDERSON A PO BOX 2378 GMF, GU 969	AFB PROJEC [*] 39	Т							
NOTIFY PARTY						POINT AND COUNTRY OF ORIGIN OAKLAND, CA UNITED STATES			
NOVA GROUP INC ANDERSON AFB PROJECT PO BOX 23789 GMF, GU 96921						ALSO NOTIFY P			***************************************
INITIAL CARRIAGE MAUI 049 W				ACE OF RECEIPT					
VESSEL VOYAGE MAUNAWILI 135 W			w o	PORT OF LOADING DOMESTIC ROUTING EXPORT INST			ITING EXPORT INSTRUCT	IONS	
GUAM, GU	E		PLA	ACE OF DELIVERY					
		1		1		NISHED BY			7
MKS & NOS/CONTAINER NOS					DESCRIPTION OF PACKAGES AND GOODS OAD, COUNT AND SEAL SAID TO CONT.			GROSS WEIGHT	MEASUREMENT
				1 X D 40H	SUBSTITUTE	D FOR 1 X D	945H (MATU253)	729-4) 26,091.000 LB:	
				PIPES, VAL	LVES, PUMPS			11,834.679 KG	S CBM
				UNITED STA	ATES IN ACCO NS. DIVERSIO	ORDANCE WIT		WERE EXPORTED FRO ADMINISTRATION PROHIBITED.	OM THE
		TYPE	TEMP	CTR NUMBER	SEAL	NUMBER	QTY / TYPE	WGT	MEASURE
		D40H		MATU253729	9 -4 0002	893	0		
ITEM	DI	DESCRIPTION OF CHARGES			RB	QUANTITY	RATE	PREPAID	COLLECT
970	OCEAN FREIGHT CHARGE				EA	1	4,160.00	4,160.00	
		ADVANCE CHARGE				1	408.00	408.00	
					EA				
	GUAM TER	MINAL C			EA	1	808.00	808.00	
		MINAL C	S FEE		1				

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PLACE OF ISSUE MON/DAY/YEAR PHOENIX OCT/30/2015 B/L NO. MATS 5814403 - 000

7,260.25

												"billed to 100% per	W.White omail dated 28DEC15	*\$0.00, per latest NAVFAC direction this	item cannot be billed until 100% invoiced '55750, 000 until	Communication in a contraction in value per NAVFAC direction	*4 of 6 stored at Big Navy Inspected by NAVFAC ET 30- CT-15, remaining 2 units in	transit to Guam		
Batance Remaining	\$427,439.84								\$0.00	\$0.00	\$11,234.85	\$159,640.00	\$350,000.00	*\$0.00	\$406,102,02	\$3,740.00	\$108,848.00	\$675,600.00	\$0.00	\$0.00
Auted to Date Shipping	0000	\$10,150.00	\$20,300.00	\$10,150.00	\$10,150.00	\$10,150.00	\$10,150.00	\$10,150.00			\$146,465.75									
Brited 10 flate Materials	00 000 000	\$228,840.00	\$358,011.00	\$567,360.00	\$771,639.16	\$629,258.00	\$372,452.00	\$118,906.00	\$1,400,000.00	\$222,542.73	\$2,008,645.12	\$48,100.00		\$40,106.00	-\$343,691.98	\$496,260.00	\$41,152.00		\$200,000.00	\$140,000.00
8	,	n In	41	۰,	ų	7	80	80	6	10 A	4			9	12	o,			7	35
ured theorem	100	3-reb-15	3-Feb-15	17-Mar-15	17-Mar-15	1-May-15	6-Jul-15	6-Jul-15	6-Jul-15	20-Nov-14 9-Jan-15	9-Jan-15 21-May-15	6-Jul-15 10-Jul-15		17-Jul-15	23-Oct-15	17-141-15			9-Jun-15	3-Feb-15
(Mai		2 2	>	2	2	2	×	2	`	≥ ≥	7 ≤	٧. ٧		> ≥	`	_	٠.		2	2
	21 000	30-Jan-15	30-Jan-15	26-Feb-15	26-Feb-15	25-May-15	8-Jul-15	9-Jul-15	24-Jul-15	as arrived as arrived	n/a 29-May-15	6-Jul-15		30-Oct-15 30-Oct-15			30-0ct-15		30-Jan-15	30-tan-15
reperted 8y	4,	M. Ibanez	M. Ibanez	J. Cruz	J. Cruz	J. Cruz	M. Ibanez	M. Ibanez	J. Cruz	M. ibanez M. ibanez	n/a J. Cruz	J. Cruz N/A		M. Ibanez M. Ibanez	A/A	N/A	M. Ibanez		M.Ibanez	M. Ibanez
S SS S	27. fan. 16	27-Jan-15	27-Jan-15	26-Feb-15	26-Feb-15	20-Apr-15	22-May-15	22-May-15	23-Jul-15	6-0ct-14 6-0ct-14	14-Nov-14 26-Mar-15	22-May-15 30-Jun-15		10-Jul-15 7-Oct-15	22-Sep-15	10-Jul-15	¥2-5ep-15		15-Dec-14	27-Jan-15
A TOTAL OF THE PARTY OF THE PAR	t	RP/CT	RP / CT	RP/CT	RP/CT	AP/CT	RP/CT	RP/CT	A B	RP	ShwCor RP / CT	Charlie K.		Charlle K. Rey P	Charle K.	Charle K.	Charlie K.		R. Pelagio	RP/CT
Stared Loudison Sylvey CC Date Mark AC Date	AAEB Jandoun	AAFB Laydown	AAFB Laydown	AAFB Laydown	AAFB Laydown	AAFB Laydown	AAFB Laydown	AAFB Laydown	NAVSUP Warehouse Naval Base Guam	Project Site - AAFB Project Site - AAFB	ShawCar - Fontana, CA / Jobsite - AAFB AAFB Laydown	NOVA Shop, Napa CA NOVA Shop, Napa CA		NOVA Shop, Napa CA NAVSUP Warehouse	MOVA Shop, Mapa CA	NOVA Shop, Nopa CA	NOVA Shop, Napa CA		Nova-Underground Warehouse, Dededo	AAFB Laydown
Trees.	16 EA								£	4000 LF	77461 LF	170 EA	1 64	1 E	1 EA	5	3 EA	1 EA	2	4 3
EVR Total Value	\$3,860,000.00						***************************************		\$1,400,000.00	\$405,000.00	\$2,295,000.00	\$260,000.00	\$350,000.00	\$300,000.00	\$750,000.00	\$500,000.00	\$150,000.00	\$675,600.00	\$200,000.00	\$140,000.00
Description of Materials	Misc Fueling Equip container 1 (Bay) - see attached BOL(s)	container 2 (Bay) - see attached BOL(s)	container 4 (Bay) - see attached BOL(s)	container 5 (Bay) - see attached	container 2 (Bay) - see ottoched	BOL(s) container (Bay) - see uttached	BOL(s)	BOL(s)	Sasa Valley Fuel Pumps	10" CS FBE coated FBE pipe delivery 1-6 FBE pipe delivery 7-11	10" CS FBE coated "40,000LF delivered, 41,000LF held or ShawCor SD Rends, Sch20 & Sch40	Shop fabricated pipe segments shop fabricated spools, WO26,27	Transformer T8	Transformer T3 F-3 gear F-3 transformer	Switchgear (Sasa / Piti)	Filter seperators (AAFB)	VFD's (Sasa Valley) fuses and internal camponents	CAT Diesel Generator (Sasa)	O Materials (HCS/Estavest) Full delivery of all CP materials	Filters (AAFB) container 3 (Bay) - see attached BOL(s)
Activity Name	Deliver Fueling Equipment								Deliver Sasa Valley Fuel Pumps	Deliver Fuel Pipe (Early Delivery)	Deliver Fuel Pipe (Balance)	spaok	Deliver Transformer T-8	Deliver Transformer 7-3	Deliver Ptú substation switchgear	Deliver Sasa Valley MCS-1 & MCS-2	Deliver Sasa Valley VFD's	Deliver Sasa Valley Generator	Deliver Cathodic Protection Materials	Deliver AAFB Filters
from Activity ID As CLIN 0001	ł	1 3	1.3	1.4	1.5	1.6	1.7	1.8	2 PROIE 2.1	3 PR02D1	4 PR02D2 4.1	5 PR02F 5.1	6 PRO3D	7 PR03E 7.1 7.2	8.1 PR03F	9 PR03G	10 PR03H	11 PR031 g	PRO3J	13 PRO1F [1]

These items have been inspected and found to be compilant with contract requirements for materials paid for and not installed. Contractor has been reminded to ensure all materials paid for, stored, and not installed are contractor has been reminded to ensure all materials paid for, stored, and not installed are contract requirements.

One of the contractor has been inspected and found to be compilant with contract requirements.

Digitally agreed by IBANEZ MARIRICE PT184802895 DN: ez-US, ex-US, exveriment, oue-Dob. ou-PRC, ore-US, exveriment, oue-Dob. ou-PRC, ore-US, ex-US, ex-US, ext. ore-US, experiment oue-Dob. oue-PC, ore-US, oue-Dob. oue-PC, ore-US, oue-Dob. oue-PC, ore-US, oue-Dob. oue-PC, oue-Dob. oue

* revisions completed 28 DEC 15 per direction of NAVFAC ET based on pay app rejection comments

Aaron lelation

	, in the second	CONT	RACT NUMBER	CONTRACT NUMBER N40192-14-C-1300														
			LOCATION: GUAM	LOCATION: GUAM	Fibeline Ani Dito dasa Vali	Ey					_	<u>''</u>	3	T	ם ה	SUBMITTAL BEGISTER	H T T	
			CONTRACT NO:		*****	-	Ì					ָ ער פֿער	7				֭֭֭֝֟֝֟֝֜֜֝֟֝֟֝֟֜֜֟֝֜֟֜֟֝֟֜֟֜֟֜֟֜֟֜֟֜֟֜֟	•
			CONTRACTOR:	CONTRACTOR: NOVA Group - Underground Construction Co., A Joint Venture	d Construction Co., A Joint	Venture												
		10/12/2015	15					CONTRACTOR	ACTOR SCH	SCHEDULE	CONTRACTOR	Ā		APPROVING AUTHORITY	NG AUTHO	ORITY		
	(a)	(b)	(c))	(d)	<u>e</u>	9	(<u>a</u>	(h)	9	(K)	╡	a)	(n)	(0)	(p)	(a)	3
42	427 SVPH 430		08 51 13	02 Shop Drawings	Windows	2.1	G			7/2/15		_	1	\dashv	1			
42	428 SVPH 430		08 51 13	02 Shop Drawings	Fabrication Drawings	1.9			7	7/2/15								
42	429 SVPH 430		08 51 13	03 Product Data	Windows	2.1	G		7	7/2/15			_					
43	430 SVPH 430		08 51 13	03 Product Data	Fasteners	2.2.2	G		7	7/2/15								
43	431 SVPH 430		08 51 13	03 Product Data	Window performance	1.10	G		7	7/2/15								
43:	432 SVPH 430		08 51 13	03 Product Data	Thermal-Barrier Windows	2.3	ဝ		7	7/2/15								
43	433 SVPH 430		08 51 13	03 Product Data	Mullions	2.4	G		7	7/2/15								
43	434 SVPH 430		08 51 13	03 Product Data	Accessories	2.2.6	ធ		7	7/2/15								
43	435 SVPH 430		08 51 13	03 Product Data	Adhesives	2.2.3			7	7/2/15								
430	436 SVPH 430		08 51 13	03 Product Data	Thermal performance	1.10.4			7	7/2/15								
43	437 SVPH 430		08 51 13	04 Samples	Finish Sample	1.4.2.1			7	7/2/15								
43	438 SVPH 430		08 51 13	04 Samples	Window Sample	1.4.2.2			7	7/2/15								
439	439 SVPH 430		08 51 13	05 Design Data	Structural calculations for deflection	2.1	G		7	7/2/15								
44	440 SVPH 430		08 51 13	05 Design Data	Design Analysis	1.4.3	G		7	7/2/15								
44	441 SVPH 430		08 51 13	06 Design Data	Minimum condensation resistance factor	1.4.4			7	A/N								
44:	442 SVPH 430		08 51 13	06 Test Reports	Resistance to forced entry				7	A/N								
4.	443 SVPH 430		08 51 13	06 Test Reports	Standard Airblast Test				7	N/A								
444	444 AS 90		08 51 13	10 Operation and Maintenance Data Windows	Windows	2.1	G		7	N/A					_			

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CONTRACT NO. N40192-14-C-1300 DESC1303 UPGRADE FUEL PIPELINE SASA VALLEY FUEL FARM TO ANDERSEN AIR FORCE BASE, GUAM

Submittal Section # 01 32 17.00 20

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10-Nov-2015

Certified/Approved by QC Manager

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Submittal Section # 01 32 17.00 20

Transmittal # 0457.00

Date:

10/9/2015

Submittal Register Item #	Paragraph #	SD-#	Submittal Type G - FIO	Description
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Cerunea/Appro	oved by QC Mar	iager 🔪	<i> </i>	<i>))</i> Date <u>9-Oct-2015</u>

PROJECT:

DESC1303 Upgrade Fuel Pipeline

CONTRACT NO.

N40192-13-R-1300

LOCATION:

AAFBAFB & Naval Base, Guam

DATE:

10/08/2015

SUBJECT:

Project Narrative through 09/30/2015 for Schedule Update #14. (Pay Est. 12)

I. Progress Made in Each Area of the Project

A. AAFB Pipeline:

- 1. Continuation of pipe prefabrication, tie-ins, coating, and NDE testing activities at Tiyan (STA 36+00 to STA 101+00), Potts Junction and South of Potts Junction (STA 597+00)
- 2. Continue Pipeline Cathodic Protection System Installation
- 3. Complete asphalt pavement on Road A at PCO-06 zones
- 4. Commence asphalt removal on Road A in preparation for PCO-27 Mag & Dig Work
- B. AAFB Filtration Building Expansion:
 - 1. Continue coating of fueling equipment
 - 2. Complete AAFB Filter Building intermediate wall demolition
 - 3. Commence pipe placement inside Filter Building and Equipment Pad
 - 4. Commence building electrical inside Filter Building
- C. Navy Pipelines:
 - 1. Complete PCO-05 P1 Pipeline Activities including UXO Mag & Dig Excavation
 - 2. Continue Navy Repair pipe fabrication, tie-ins, coating, and NDE testing activities on Pipeline Easement (PCO-05 associated areas)
 - 3. Continue pipe placement for LPD, HPV, and Valve Vaults
 - 4. Continue F/R/P LPD Vault 5 and LPD Vault 6
- D. SASA Valley Area:
 - 1. Continue installation of dig, lay, backfill of underground electrical duct bank
 - 2. Continue underground utilities at PH area
 - 3. Continue drilled caissons modifications at PH and Generator Building
 - 4. Complete F/R/P Spill Control Pit
 - 5. Complete F/R/P Generator Foundation
 - 6. Complete F/R/P Diesel Generator Tank Pad
 - 7. Complete installation for Manifold Pit TEMP Pipe Support Structure
 - 8. Commence PH Building construction (Walls and Columns)
 - 9. Commence F/R/P Transformer Pad
 - 10. Continue civil activities for Detention Basin
- E. Piti Electrical Substation & Duct Bank:
 - 1. No work for this period
- F. Tiyan Station:
 - 1. No work for this period

II. Changes Made to Construction Schedule

A. Activities

1. Added Activities

The following Activities have been added to the project	
Activity Id	Activity Name
PC027-B	PCO27 Mag & Dig Road A
PCO27-A	Contractor Mobilize for PCO27 Mag & Dig Road A

2. Activity name changes:

Activity Name			
Activity Id	Activity Name	New Activity Name	Old Activity Name
PESS4950	Provide Temporary Power/Switching for circuit P-4 *on hold* RFI 118	Provide Temporary Pow er/Sw itching for circuit P-4 *on hold* RFI 118	Provide Temporary Pow er/Sw itching for circuit P-4
NPLS-M-VAx	Mag & Dig for Repairs (DV-3) (C-463) (PCO5) *On hold PCO-004	Mag & Dig for Repairs (DV-3) (C-463) (PCO5) *On hold PCO-004	Mag & Dig for Repairs (DV-3) (C-463) (PCO5)
PR02D2	Deliver Fuel Pipe (Balance)	Deliver Fuel Pipe (Balance)	Deliver Fuel Pipe (Balance) *On Hold*
APLN-B1	Prefabricate 10" JF from Sta 100+00 to 194+55	Prefabricate 10" JF from Sta 100+00 to 194+55	Prefabricate 10" JF from Sta 100+00 to 194+55 *On hold*
APLN-D1	Prefabricate 10" JF from Sta 294+60 to 302+70	Prefabricate 10" JF from Sta 294+60 to 302+70	Prefabricate 10" JF from Sta 294+60 to 302+70 *On Hold*
APLN-E1	Prefabricate 10" JF from Sta 304+05 to 326+40	Prefabricate 10" JF from Sta 304+05 to 326+40	Prefabricate 10" JF from Sta 304+05 to 326+40 *On Hold*
APLN-F1	Prefabricate 10" JF from Sta 326+70 to 400+00	Prefabricate 10" JF from Sta 326+70 to 400+00	Prefabricate 10" JF from Sta 326+70 to 400+00 *On Hold*
APLN-13	Bed trench & Install 10" JF from Sta 550+00 to 623+15 *On hold*	Bed trench & Install 10" JF from Sta 550+00 to 623+15 *On hold*	Bed trench & Install 10" JF from Sta 550+00 to 623+15
APLN-J2	Mag & Dig/Excavate 10" JF from Sta 623+26 to 694 (Mag & Dig per RF#103 & QA/QC)	Mag & Dig/Excavate 10" JF from Sta 623+26 to 694 (Mag & Dig per RF#103 & QA/QC)	Excavate 10" JF from Sta 623+26 to 694 (On Hold Pending RF#103 & QA/QC)
APLN-J3	Bed trench & Install 10" JF from Sta 623+26 to 694 (Per RF#103&QA/QC)	Bed trench & Install 10" JF from Sta 623+26 to 694 (Per RF#103&QA/QC)	Bed trench & Install 10" JF from Sta 623+26 to 694 (On Hold Pending RF#103&QA/QC)
APLN-L4	Backfill 10" JF from Sta 694 to 733 (Road "A")*Pending PCO27 from Sta 698+25 to 711+25*	Backfill 10" JF from Sta 694 to 733 (Road "A")*Pending PCO27 from Sta 698+25 to 711+25*	Backfill 10" JF from Sta 694 to 733 (Road "A")*On hold from Sta 698+25 to 711+25*
APLN-L1	Prefabricate 10" JF from Sta 694 to 733 (Road "A")*Pending PCO27 from Sta 698+25 to 711+25*	Prefabricate 10" JF from Sta 694 to 733 (Road "A")*Pending PCO27 from Sta 698+25 to 711+25*	Prefabricate 10" JF from Sta 694 to 733 (Road "A")*On hold from Sta 698+25 to 711+25*
APLN-L2	Excavate 10" JF from Sta 694 to 733 Road "A" *Per PCO27 from Sta 698+25 to 711+25*	Excavate 10" JF from Sta 694 to 733 Road "A" *Per PCO27 from Sta 698+25 to 711+25*	Excavate 10" JF from Sta 694 to 733 Road "A" *On hold from Sta 698+25 to 711+25*
APLN-L3	Bed trench & Install 10" JF from Sta 694 to 733 (Road "A") *Pending PCO27 from Sta 698+25 to 711+25*	Bed trench & Install 10" JF from Sta 694 to 733 (Road "A") *Pending PCO27 from Sta 698+25 to 711+25*	Bed trench & Install 10" JF from Sta 694 to 733 (Road "A") *On hold from Sta 698+25 to 711+25*
PR02E	Fabricate SASA Valley Pipe Spools *On hold*	Fabricate SASA Valley Pipe Spools *On hold*	Fabricate SASA Valley Pipe Spools
APLN-L1c	Coat Pipe welds 10" JF from Sta 694 to 733 (Road "A") *Pending PCO27 from Sta 698+25 to 711+25*	Coat Pipe welds 10" JF from Sta 694 to 733 (Road "A") *Pending PCO27 from Sta 698+25 to 711+25*	Coat Pipe welds 10" JF from Sta 694 to 733 (Road "A") *On hold from Sta 698+25 to 711+25*

B. Original Durations:

- 1. No changes.
- C. Logic Interdependencies
 - 1. Revised logic to include PCO-27; Mag & Dig Road A and downstream activities.

III. Relationships Added/Deleted

The following Succes	sor Relationships have	been added to the pro	oject		
Activity Id	Activity Name	Relationship Lag	Relationship Type	Successor Activity Id	Successor Activity Name
APLN-L1c	Coat Pipe w elds 10" JF from Sta 694 to 733 (Road "A") *Pending PCO27 from Sta 698+25 to 711+25*	0.0	Finish to Finish	APLN-L3	Bed trench & Install 10" JF from Sta 694 to 733 (Road "A") *Pending PCO27 from Sta 698+25 to 711+25*
PCO27-A	Contractor Mobilize for PCO27 Mag & Dig Road A	0.0	Start to Start	PCO27-B	PCO27 Mag & Dig Road A
PCO27-B	PCO27 Mag & Dig Road A	0.0	Finish to Finish	APLN-L2	Excavate 10" JF from Sta 694 to 733 Road "A" *Per PCO27 from Sta 698+25 to 711+25*
PCO27-B	PCO27 Mag & Dig Road A	0.0	Finish to Start	APLN-L1	Prefabricate 10" JF from Sta 694 to 733 (Road "A")*Pending PCO27 from Sta 698+25 to 711+25*
PCO27-B	PCO27 Mag & Dig Road A	0.0	Finish to Start	APLN-J2	Mag & Dig/Excavate 10" JF from Sta 623+26 to 694 (Mag & Dig per RF#103 & QA/QC)
		Palationshins	Added/Deleted	· · · · · · · · · · · · · · · · · · ·	

Relationships Added/Deleted

The following Successor Relationships have been deleted from the project $% \left\{ \mathbf{r}^{\prime}\right\} =\mathbf{r}^{\prime}$

Activity Id	Activity Name	Relationship Lag	Relationship Type	Successor Activity Id	Successor Activity Name
APLN-L1	Prefabricate 10" JF from Sta 694 to 733 (Road "A")*On hold from Sta 698+25 to 711+25*	0.0	Finish to Start	APLN-L2	Excavate 10" JF from Sta 694 to 733 Road "A" *On hold from Sta 698+25 to 711+25*
APLN-L1	Prefabricate 10" JF from Sta 694 to 733 (Road "A")*On hold from Sta 698+25 to 711+25*	0.0	Finish to Start	APLN-A1	Prefabricate 10" JF from Sta 1+00 to 100+00
APLN-L1c	Coat Pipe welds 10" JF from Sta 694 to 733 (Road "A") *On hold from Sta 698+25 to 711+25*	0.0	Finish to Start	APLN-A1c	Coat Pipe welds 10" JF from Sta 1+00 to 100+00

A. Milestones

- 1. A time extension was granted for PCO 5 which extended the contract completion date 83 days from May 11, 2016 to August 2, 2016. (This was changed in the 05/30/15 schedule update)
- B. Changes to Planned Sequence of Operations
 - 1. No changes effecting Gov't sequence of operations.

C. Critical Path

1. The critical path is currently shown as driven by AAFB pipeline. Schedule reflects Road A prior to the balance of the off base pipeline driven by excavation that is on hold per GOVT Serial Letter RF-150116 (replaced RF-150102). Off base excavation has been on hold since 15 July

2014 per Government Serial Letter RF-140080/jlg

- D. Cost Loading
 - 1. No changes.

IV. Pending Items and Status Thereof

- A. Permits
 - l. GEPA
 - Sasa Valley Generator Permit in progress. Permit is has been submitted by NAVFAC to GEPA
- B. Change Orders
 - 1. PCO-04: UXO for AAFB Pipeline and Piti Duct Bank from Piti to Sasa Valley
 - RFP REV0 received 5/29/15
 - RFP REV0 Cancelled 7/2/15
 - RFP REV1 received 9/4/15
 - 2. PCO-05: UXO for Navy Repairs from Sasa Valley to Tiyan Station (MOD P0004 and MOD P0007)
 - Negotiations are ongoing
 - Current agreed provisions from negotiations include 83 calendar days to contract completion date
 - Submit notice of 50% of MOD NTE on 9/4/15
 - 3. PCO-06: Road A (MOD P0008)
 - Proposal REV0 submitted 4/21/15
 - Proposal REV1 submitted 6/26/15
 - Proposal REV2 submitted 9/15/15
 - MOD P00015 received 9/22/15
 - 4. PCO-07: RFI 0049 GPA Comments
 - RFP received 6/1/15
 - Proposal REV0 submitted 6/12/15
 - Proposal REV1 submitted 9/18/15
 - Awaiting formal MOD
 - 5. PCO-08: Relocate existing electrical wiring located at ATG room At Sasa Valley Pump House
 - RFP issued 6/24/15
 - Proposal REV1 submitted 7/1/15
 - MOD P00012 received 9/1/15
 - 6. PCO-09: Unmarked Utilities along Easement
 - RFP forthcoming
 - 7. PCO-10: Diesel Tank Dimension Change
 - RFP issued 3/16
 - PC-10 REV0 Proposal submitted 3/21/15 accepted
 - PC-10 REV1 Proposal submitted 7/20/15
 - MOD P00010 REV0 for PC-10 & PC-14 Received 7/30/15
 - 8. PCO-12: Asbestos Pipe Sasa to Tiyan
 - RFP Received 7/9/15
 - Proposal REV0 submitted 7/16/15
 - Proposal REV1 submitted 7/31/15
 - MOD P00012 received 9/1/15
 - 9. PCO-14: Change NGR Enclosure to Stainless Steel
 - RFP issued 3/15
 - PC-14 REVO Proposal submitted 3/21/15 accepted
 - PC-14 REV1 Proposal submitted 7/20/15
 - MOD P00010 REV0 for PC-10 & PC-14 Received 7/30/15
 - 10. PCO-19: AAFB Filter Building Floor Drains
 - Proposal REV0 submitted 5/12/15
 - Proposal accepted 7/12/15

- Proposal REV1 submitted 7/31/15
- Awaiting formal MOD
- 11. PCO-20: Geo-tech Report Changes
 - RFP forthcoming
- 12. PCO-21: Type II Anchor Bolts
 - RFP received 6/24/15
 - Proposal submitted 6/27/15
 - Awaiting formal MOD
- 13. PCO-22: Cost impact for existing SVPH Manifold Pad
 - RFP forthcoming
- 14. PCO-23: Reinforcing steel changes per SUB 0252
 - RFP received 8/17/15
 - Proposal REV0 submitted 8/18/15
 - MOD P00017 received 9/24/15
- 15. PCO-25/PCO-47: Navy Pipeline Repair Clearing Typhoon Dolphin
 - RFP received 6/2/15
 - Proposal REV0 submitted 6/4/15
 - Proposal REV1 submitted 6/5/15
 - MOD P00012 received 9/1/15
- 16. PCO-26: Road A Trench Backfill
 - Proposal submitted 6/24/15
 - MOD P00014 received 9/18/15
- 17. PCO-27: Road A Excavation by Mag & Dig
 - RFP Received 7/21/15
 - Proposal REV0 submitted 7/28/15
 - Proposal REV0 submitted 9/17/15
 - MOD P00016 received 9/23/15
- 18. PCO-28: Road A Stockpile Clearing
 - · RFP forthcoming
- 19. PCO-29: Road A Concrete Cap Over Culvert
 - RFP Received 8/14/15
 - Proposal REV0 submitted 8/19/15
 - Proposal REV1 submitted 8/24/15
 - MOD P00018 received 9/25/15
- 20. PCO-30: HOOH Audit Increase 8.04% to 9.11%
 - MOD P00019 received 9/27/15
- 21. Outstanding Open Items:
 - RFI:
 - 0011 Response Butt welding small diameter piping
 - 0097 Demo 6in Drain Line in Sasa Valley
 - 0103 Utility Conflict at P.I. 643+13.51
 - 0106 Hydrant Flow Test #2 at 195PSI
 - o 0109 Sasa Valley Existing Manifold Piping
 - 0112 GPA Outage Restrictions
 - 0118 P4 Temporary Power
 - 0123 Sasa Valley PIG Launcher Pad Clarification
 - 0130 GPA Black Oil Line Conflict at The Sasa Valley Manifold Pit
 - o 0132 New LPD Vault 3 Wall Height
 - 0134 Fire Suppression at Sasa Valley PH
 - o 0139 Tiyan Vault Rolling Cover Locking Assembly
 - o 0142 Archeological Monitoring Requirements
 - 0143 Manifold Pit Suction Header Configuration
 - 0147 Navy Pipelines Cathodic Protection System
 - o 0158 AAFB Equipment Pad PRT Tie-In

- Unforeseen / Changed Conditions:
 - Serial Letter 039F Notification of Delay, Arc Light and Marinas Road Crossing -DN-06
 - Serial Letter 041F Notice of Unforeseen Conditions/Differing Site Conditions 002-Unmarked Utilities
 - o Serial Letter 043F PCO-03 Scope Clarification, DN-07
 - Serial Letter 044F Notice of Unforeseen Conditions/Differing Site Conditions 003-Unmarked Utilities
 - Serial Letter 047F Notice of Unforeseen Conditions/Differing Site Conditions 004-Unmarked Utilities
 - Serial Letter 056F Notification of Potential Delay for Relocation of Sasa Valley ATG Cabinet & Antenna
 - Serial Letter 057F Sasa Valley MEC QA/QC Delay Impact, DN-09
 - Serial Letter 061F Notice of Unforeseen Conditions/Differing Site Conditions 008-Unmarked Utilities
 - Serial Letter 069F Notification of Delay Sasa Valley Caisson Execution, DN-10
 - Serial Letter 070F Notice of Unforeseen Conditions/Differing Site Conditions 009-Sasa Valley PH Unknown Fuel Vapor
 - Serial Letter 074F Notice of Unforeseen Conditions/Differing Site Conditions
 010-Unmarked Utilities
 - Serial Letter 079F Notification of Delay PCO-06 Road A, DN-13
 - Serial Letter 080F Notification of Delay Working out of Sequence, DN-12
 - Serial Letter 081F Notification of Potential Cost and Time Impact for Navy Pipeline Repairs
 - Serial Letter 083F Cost Increase Notification Generated by RFI Response RFI 0103
 - Serial Letter 094F Notification for Project Standby Status
 - o Serial Letter 101F Notification of Delay MEC at STA 643+13.51, DN-17
 - Serial Letter 102F Notice of Unforeseen Conditions/Differing Site Conditions
 013-Concrete Slab in Upper Sasa Impacting Fire Line
 - Serial Letter 105H Notice of Unforeseen Conditions/Differing Site Conditions –
 Basalt Encountered at Sasa Valley Generator Building
 - Serial Letter 106H Unforeseen Condition at Navy Repair Locations N1.21 and N1.22
 - Serial Letter 107F Notice of Unforeseen Conditions/Differing Site Conditions
 012 Existing Utilities at Sasa Valley Manifold Pit and Pig Launcher Pad
 - o Serial Letter 109H Response to RF150106, PC005 Community Outreach
 - o Serial Letter 115F Notification of Delay NAVSUP Fuel Ops Delay Impact, DN-18
 - Serial Letter 117F Cost Increase Notification Generated by RFI Response RFI
 0117
 - Serial Letter 118F Notice of Unforeseen Conditions/Differing Site Conditions 014-Unmarked Utilities
 - o Serial Letter 120F Notification of Delay NAVSUP Fuel Ops Delay Impact, DN-19
 - Serial Letter 122F Notification of Potential Cost and Time Impact for Piti Substation, DN-20
 - o Serial Letter 123F Notification of Delay NAVSUP Fuel Ops Delay Impact, DN-21
 - o Serial Letter 124F Notification of Delay NAVSUP Fuel Ops Delay Impact, DN-22
 - Serial Letter 127F Notice of Unforeseen Conditions/Differing Site Conditions 016-Excavation Depth at Navy Repair N1.20
 - Serial Letter 128F Notification of Delay NAVSUP Fuel Ops Delay Impact, DN-23
 - o Serial Letter 133F Notification of Delay NAVSUP Fuel Ops Delay Impact, DN-24
 - o Serial Letter 137F Notification of Delay NAVSUP Fuel Ops Delay Impact, DN-26

C. Time Extensions

- 1. Contract completion date has been changed due to PCO-05 to 8/2/16
- 2. Pending negotiations of PCO-05
- 3. Time extension is anticipated due to unfore seen conditions and upcoming PCO's

V. Status of Contract Completion Date and Interim Milestones

A.	Contract Completion Date (02Aug16)	10Mar17
	1. Commission New Air Force & South Navy Pipelines	27May16
	2. Commission Exist Air Force & North Navy Pipelines	28Nov16
	3. Commission Sasa Valley Pump System	04Jan17

B. Current and anticipated delays (describe cause of the delay and corrective action)

- Delay in start activity APLN-20A1 caused by unknown utility in Road "A" corridor. Road A
 has been re-sequenced for activities to occur prior to pipeline work which is on hold due to
 PCO4. Due to UXO discovered 6/15/15, balance of Road A Excavation from STA 698+27 to
 713+37 has required Mag & Dig per PC-27. With receipt of MODs associated with PCO-06
 and PCO-27, Nova-UCCo has proceeded to execute the balance of Road A.
- 2. The RFP for PCO-04 was received 5/29/15 and canceled on 7/2/15. The activities associated with PCO-04 are driving the project schedule. Placeholder activities have been included in the schedule but are not complete or finalized at this time until the full proposal, including schedule, can be developed and negotiations are complete. Corrective action unknown until direction is received.
- 3. Delay in start in activity TSV5-15 (Tiyan Valve Vault) and all associated downstream activities due to PCO-04 and future MEC ahead of construction activities. Corrective action unknown until direction is received.
- 4. Delay in start in activity NPLN01 (Request North Navy Pipeline Outage) and all associated downstream activities due to PCO-04 and future MEC ahead of construction activities. Corrective action unknown until direction is received.
- 5. Delay in start in activity PL1-80 (Navy Pipeline 1 South & New Air Force Pipeline ready for Hydrotesting) and all associated downstream activities due to PCO-04 and future MEC ahead of construction activities. Corrective action unknown until direction is received.
- 6. Delay to activity PEDB50a (Excavate and Install MH-10 through MH-15) and all associated downstream activities due to UXO discovered at MH-17 on 6/9/15. Nova-UCCo has provided response to Government Serial Letter RF-150103. Await RFP due to change in scope as outlined in Serial Letter H-132.
- 7. Delay in start in activity AFVV7-10 (Valve Vault 7) and all associated downstream activities due to PCO-04 and future MEC ahead of construction activities. Corrective action unknown until direction is received.
- 8. Delay in start in activity APLN-BB01 (Horizontal Directional Drilling) and all associated downstream activities due to PCO-04 and future MEC ahead of construction activities. Corrective action unknown until direction is received.
- 9. Delay in start of activity PESS5100 (Manhole inside Piti Substation) and all associated downstream activities due to PCO-04 and future MEC ahead of construction activities. Corrective action unknown until PCO-04 proposal is accepted.
- 10. Delay in start of activity PEDB20A and PEDB20B (Piti Duct Bank) and all associated downstream activities due to PCO-04 and future MEC ahead of construction activities. Corrective action unknown until direction is received.
- 11. Delay in start of activity SVMP10 (Excavate for new Manifold Pit) and all associated downstream activities due to RFI 0109 and RFI 0130. Corrective action unknown until direction is received.
- 12. Delay in start of activity APLN-J2 (Excavate 10" JF Sta 632+26 to 694+00) and all associated downstream activities due to RFI 0103. MEC executed at unforseen utility on 6/29/15. Nova-UCCo has provided response to Government Serial Letter RF-150103. Nova-UCCo has proceeded with Mag & Dig with UXO Contractor after Road A. Await RFP for cost

- incurred due to change in scope as outlined in Serial Letter H-132.
- 13. Delay in start of activity SVPL05 (Excavate for pig launcher pad) and all associated downstream activities due to RFI 0123 and RFI 0130. Corrective action unknown until direction is received.
- C. Description of Current and Future Schedule Problem Areas
 - 1. Construction activities associated with PCO-04
 - 2. Construction activities downstream of PCO-04
 - 3. Construction activities associated with PCO-05
 - 4. Construction activities downstream of PCO-05
 - 5. Delays associated with changes to UXO are resulting in decreased production due to reduced manpower and starting/stopping of activities.
 - 6. Delay in activities related to excavation of Navy pipeline N and S repairs and LPD for MEC clearance related to PCO-05 at navy pipeline segments.
 - 7. Construction activities associated with Sasa Valley PH Manifold Pit and Pig Launcher Pad due to unforseen conditions
- D. Schedule Attachments
 - 1. Time scaled logic diagram
 - 2. Critical path sort
 - 3. P6.xerfilebackup

opgrade i der riperine, disam						Title scaled Logic Diagram (Chilical Fair)				
Activity 1D	Activity Name	Onginal Remaini Duration Durati	nathing Start	Finish	Florat Cal	Calendar	Oct	Dec Jan Feb I	Mar Apr May	2017 Jun Jul Aug Seo Oct I Nov I Dec Jan Feb
1 APUNU1	Prefabricate 10" JF from Sta 694 to 733 (Road "A") Pending PCO27 from Sta	8	5 09-Apr-15A	04-Nov-15	-147		- 5	bricate 10" JF from Sta 69.	4 to 733 (Road "A")*Pe	nding PCO27 from Sta 698+25 to 711+25*
APLN-L3	698+25 to 711+25' Bed tench & Institut 10' JF from Sta 694 to 733 (Road "A") "Pending PCO27	F	1 11-May-15 A	10-Nov-15	-147	S		d trench & Install 10" JF fro	ım Sta 694 to 733 (Roz	Bed trench & Install 10" JF from Sta 694 to 733 (Road "A") "Pending PCO27 from Sta 698+25 to 711+25"
APLN-L1c	Itom Std 099453 to 711+625 Coat Pipe Weld 10" JF from Sta 694 to 733 (Road "A") "Pending PCO27 from Sta 6984-51 n 71+29".	9	3 11-May-15 A	09-Nov-15	-147	P S	Ö	at Pipe welds 10" JF from S	sta 694 to 733 (Road "/	Coal Pipe welds 10" JF from Sta 694 to 733 (Road "A") "Pending PCO27 from Sta 698+25 to 711+25"
APUN-L4	Backfill 10" JF from Sta 694 to 733 (Road "A") Pending PCO27 from Sta 698+25 to 711+25.	7	7 26-May-15 A	20-Nov-15	-147	25		Backfill 10" JF from Sta 694	4 to 733 (Road "A")*Pe	Backill 10" JF from Sta 694 to 733 (Road "A") Pending PCO27 from Sta 698+25 to 711+25"
APUN-14	Backfill 10" JF from Sta 550+00 to 623+15	21	12 10-Jun-15 A	19-Apr-16	-132	WC			Backfill 1	Backfill 10" JF from Sta 550+00 to 623+15
PCO27-A	Contractor Mobilize for PCO27 Mag & Dig Road A	0	0 12-Oct-15*		-132	wc	Contractor	tor Mobilize for PCO27 Mag & Dig Road A	Dig Road A	
PC027-B	PCO27 Mag & Dig Road A	10	10 12-Oct-15	28-Oct-15	-132	wc WC	'n	CO27 Mag & Dig Road A		
APLN-A4	Backfill 10" JF from Sta 1+00 to100+00	50	20 23-Nov-15	22-Dec-15	-132	WC	<u>T</u>	Backfill 10" JF fron	Backfill 10" JF from Sta 1+00 tb100+00	
APLN-84	Backfill 10* JF from Sta 100+00 to 194+55	6 .		20-Jan-16	-132	NC:	-	Backfill 10	Backfill 10" JF from Sta 100+00 to 194+55	0 194+55
APIN-54	Backfill 10" JF from Sta 294+60 to 302+70 Rankfill 10" JF from Sta 304+65 to 326+40	N 4	2 21-Jan-16 4 25-Jan-16	22-Jan-16	-132	0 S		Backlin 10	Backlis 10 JF from Sta 304+05 to 302+70	10 302+70 5 to 326+40
APLN-F4	Backiii 10" JF from Sta 326+40 to 400+00	- 51	15 29-Jan-16	19-Feb-16	# 65 F) ×		Bac	Backfill 10" JF Irom Sta 3	rom Sta 326+40 to 400+00
APLN-G4	Backfill 10" JF from Sta 400+00 to 468+15	4	14 22-Feb-16	10-Mar-16	-132	× ×				JF from Sta 400+00 to 458+15
APLN-H4	Backfill 10" JF from Sta 468+15 to 550+00	16	16 11-Mar-16	01-Apr-16	-132	WC			Backfill 10" JF	ackill 10" JF from Sta 468+15 to 550+00
APLN-C4	Backfill 10" JF from Sta 195+20 to 235+20	8	8 20-Apr-16	29-Apr-16	-132	wc			Backfill	Backliff 10" JF from Sta 195+20 to 235+20
PL1-90	Hydrotest & Commission New Air Force 10" Pipeline & Navy PipeLine South	33	20 02-May-16	27-May-16	-132	×C				Hydrotest & Commission New Air Force 10" Pipeline & Navy PipeLine South
PL1-80	Navy Pipeline 1 South & New Air Force Pipeline ready for Hydrokesting	0	0 02-May-16	;	-132	Ω ×			L Nav	Pipeline 1 South & New Air Force Pipeline ready for Hydrollesting
NPLNCI	Hequest North Navy pipeline outage Drain Mann Bindine 2. Morth	e c	2 31-May-16	01-Jun-16	132	Σ <u>τ</u>				hequest norm navy pagetne outage Train Navy Dingin 2, North
NPI N-M-I Ax	Mack Did (PCOS B) for Benair (N.2.40 TPD14) (C.463)		3 06-lun-16	08-1m-16	132	8 8				Maris Dia (PCOS B) for Renalr (N.2.40, LPD14) (C-463)
NPLN-M-RAx	Mag&Dig (PCO5 B) for Repair (N.2.39, 2.38 LPD13) (C-463)	ເຕ	3 09-Jun-16	13-Jun-16	-132	×				■ Mag&Dig (PCO5 B) for Repair (N.2.39, 2.38 LPD13) (C-46
NPLN-M-VAx	Mag&Dig (PCO5) for Repairs (DV3, N2.41-N2.42) (C-463)	7	7 14-Jun-16	22-Jun-16	-132	wc				Mag&Dig (PCO5) for Repairs (DV3, N2.41-N2.42) (C-463)
NPLN-C-LAx	Mag&Dig (PCO5) for Repairs (N2.12, LPD2 & N2.13) (C-453)	7	7 23-Jun-16	05-Jul-16	-132	WC				Mag&Dig (PCO5) for Repairs (N2.12, LPD2 & N2.13) (C-453)
NPLN-C-RAx	Mag&Dig (PCO5) for Repair (N2.11) (C-453)	ç	5 06-Jul-16	13-Jul-16	-132	wc	-			Mag&Dig (PCO5) for Repair (N2.11) (C-453)
NPLN-D-LAx	Mag&Dig (PCO5) for Repair (N2.14, LPD3) (C-454)	၈	3 14-Jul-16	19-Jul-16	-132	O.				Mag&Dig (PCO5) for Repair (N2.14, LPD3) (C-454)
NPLN-U-V2Ax	Mag&Deg (PCUS) valve vault V-2	n	3 20-Jul-16	25-Jul-16	-132	ت ×				MagaLig (PCUS) Valve vauit V-2
NPLN-E-LAX	Magacug (PCO5) for Repair (NZ.16, LPO5) (C-456)	n 1	3 26-Jul-16	28-Jul-16	-132	υ (: •				Maggardig (PCC9) 18t Repair (NZ. 18, LPL9) (C-436)
NPLN-F-V3Ax	Magazing (FCC3) for helpail (Bc. 17) (C-436) MagaDio (PCC5) Valve Vault V-3 & Benairs N2 19-2 21 (C-457)	· 01	10 11-Aug-16	29-Aug-16	25.	3 2				Mana Dia (PCO5) Valve Vault V:3 & Repairs N2:19
NPLN-F-V3B	Install Vault Uporades on Navy Pipeline 2 North V.3 & Benaits N2, 19-2, 21	4	4 30-Aug-16	06-Sen-16	13.	3 0				Install Vault Updrades on Navy Pipeline 2 North
	(C-457)	,	5		1)				1
NPLN-G-RB	Perform Repairs (N2,22&2,23) (C-458)	-	1 07-Sep-16	07-Sep-16	-132	WC				Perform Repairs (N2,22&2.23) (C-458)
NPLN-H-HPV	HPV Repair (HPV5-North) (C-459)	9	3 08-Sep-16	13-Sep-16	-132	WC				HPV Repair (HPV5-North) (C-459)
NPLN-H-RB	Perform Repair (N2.26) (C-459)	-	1 14-Sep-16	14-Sep-16	-132	×C •				Perform Repair (N2.26) (C-459)
NPLN-H-V4B	Install Vault Upgrades on Navy Pipeline 2 North V-4	9	3 15-Sep-16	20-Sep-16	-132	WC				Install Vault Upgrades on Navy
NPLN-I-R1B	Perform Repair (N2.27) (C-460)	-	1 21-Sep-16	21-Sep-16	-132	WC.				Perform Repair (N2.27) (C-460)
NPUN-1-H2B	Perform Repair (N2.29) (C-460)	-	1 22-Sep-16	22-Sep-16	-132	S *				Perform Repair (N2.29) (C-460)
NPLN-I-HPV	HPV Repair (HPV6-North) (C-460)	m	3 26-Sep-16	28-Sep-16	-132	S W				C) (HPV6-North) (C)
NPLN-HPV7	HPV Repair (HPV7-North) (C-461)	က	3 29-Sep-16	04-Oct-16	-132	NC WC				HPV Repair (HPV7-North) (C-461)
NPLN-J-HPV8	HPV Repair (HPV8-North) (C-461)	ო	3 05-Oct-16	11-Oct-16	-132	S K				HPV Repair (HPV8-North) (C-461)
NPLN-AB	Perform Repair (N2.32) (C-461)	-	1 12-Oct-16	12-Oct-16	-132	×C				Perform Repair (N2.32) ((
NPLN-1-B	Perform Repair (N2.33, LP10) (C-461)	-	1 13-Oct-16	13-Oct-16	-132	OM.				Perform Repair (N2,33, L
NPLN-1C	Repair Coating Repair (N2.33, LP10) (C-461)	-	1 17-Oct-16	17-Oct-16	-132	wc			-	Repair Coating Repair (
NPLN-LD	Backfill Repair (N2.33, LP10) (C-461)	-	1 18-Oct-16	18-Oct-16	-132	×C ₩C				Backfill Repair (N2.33, LP10) (C-451)
NPL-LPDV6-70	Backing LPD-6 (North N2.35, LPD12)	2	2 19-Oct-16	20-Oct-16	-147	B				Dacking LPU-6 (North N
NPLN-L-VU	Backfill Hepairs (UF1, DV2, N2,36-N2,37) (C-462)	8 ;	2 24-Oct-16	25-Oct-16	-135	NC:				Backim Hebairs (UF1, DV2, NZ, 30
95.21 98.21 98.21	riyafotast & Commision Existing Air Force 10" Pipeline & Navy Pipeline North Navy Pipeline 2 North & Evieting Air Force Dipoline reach for Hydrotacting	₹ °	20 26-Oct-16	28-Nov-16	132	2 (Navy Phyline 2 North & Existing A
00.57	ואמיץ רוטפווום ב זיטווו מ באוצוווון און רטיכי רוטפוווים ופמטץ נטר חיטמוטנפגוווק	•	0 20-061-10		-135	3				The same of the sa
Actual Work	Critical Remaining Work			P.	Page 1 of 8			TASK filter: Critical	Critical.	

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Activity ID	Activity Name	Original Remaini Duration Durati	naining Start uration	Finish	Total Cal	Calendar	Oct Nov	Dec Jan	n Feb Mar	ar Apr May	2016 ay Jun a	6 Jul Aug	Sep Oct	Nov	Dec Jan Feb
A1830	Remove Temporary By-pass		5 29-Nov-16	05-Dec-16	-132	wc	╁╌	+		Ŀ				ţn.	ě.
90/10	Cinal Carry Mallay Dumy Cystom Commissioning & Tacting	90	20 05.Dec.16	Ode lane 17	.139	S.							_		Final Sasa Vell
06.40	That casa valies thing cystem commissioning a resumg	2 6	1 20 00 00	1 1 1 2 2	1 5	2 3	-	-			-	-	=		
MS/0	Final Walk Through & Purchilist Compaction	G :	23 U3-Jair 17	/1-09-E0	C .	3 7							_		1
MS80	Demobilization	50	20 10-rep-1/	10-Mar-1 /	-149	8					_				
MS99	Contract Completion Date August 2, 2016	0	0	10-Mar-17	-520	8									
MS90	Construction Complete	0	0	10-Mar-17	-220	8			-						
•															
140.140	Cleaning States Downit	4	5 06.Mar.17	10-Mar-17	-140	27					_				
M2 140	Grosbut Stoffit Water rettill	,	CI-BULDO C	(1. EM.)		3									
•••							_	1							
APLN-12	Mag & Dig/Excavate 10" JF from Sta 623+26 to 694 (Mag & Dig per RFI#103 &	e0 •40	2 02-Apr-15A	30-Oct-15	-144	PS	Dici s Buy	Digrexcava	TO JE TOM SIA 623	la 523-2010 594	6	8 FO # 103 W	<u>}</u>		
bile!	(DA/CC)				;				ž	100 001 01 00					
APLN-A2	Excavate 10" JF from Sta 1+00 to 100+00 'On Hold'	10	10 02-Nov-15	13-Nov-15	-128	ပ ×		ave io							
APUN-A3	Bed trench & Install 10" JF from Sta 1+00 to 100+00	-	1 16-Nov-15	16-Nov-15	-128	WC		od trench &	Stall 10" JH from	from Sta 1+00 to 100	.				
7												_			
APLN-12	Excavate 10" JF from Sta 694 to 733 Road "A" *Per PCO27 from Sta 698+25	5	4 05-May-15 A	1 28-Oct-15	-142	PG	x xava	ate 10" JF from	Sta 694 to 73	733 Road "A" "Per F	FCC27 from	914 696+25 0	5-11-2		
! :	to 711+25*														****
•															
APLALIS	Bod treach & Install 10" JE from Sta 62326 to 694 (Por BEI#103&OA/OC)		1 06-Apr-15 A	02-Nnv-15	-138	54	T Bed tre	trench & Install	10.	from Sta 623-26 to 694	H+ FF1#100	(Stavec)			
	בפס וופונכון מי וופומי זס פן ווכון כום מבכרבט וט ספר (י פו ויו וחיכנים כי כי	•			3	3				-					
2 2 2	100 th 10 miles Dec 500 to 500 (On 110 th 100)	13	A 13-Ans.15 A	08.Nov-15	138	3	Backfill	fill O JF f	n Sta 523 26 to 694	o 694 On Hold P	Perding RFI#1	69			
+0201LV	במכאווון זע טר ווטוון טום טבט+בם (ח ססיי (טון הזטוח די פותאוקן זיין היוטטן	2	00119001		3	3									
											=	_			
AS90	Prepare & Submit As Built DWGS and O & M Manuals for review	23	20 05-Jan-17	02-Feb-17	-134	29					=	_	=		a eder
46100	Persons & Club, by Description of the British DWGS and C. & M. Manuale	10		16-Fab-17	-134	25					_				
A3100	richale a dudilli Apaded As built Diffed and O a in mandas		(1.05)-50-61	12 121							_	_			
7											_		_	_	
APLN-B2	Excavate 10" JF from Sta 100+00 to 194+55 "On Hold"	10	10 16-Nov-15	01-Dec-15	-133	25	P	Ercavale		la 100+00 to 194+55	ğ 5	_	_		
AP! N.R.	Bed trench & install 10" JF from Sta 100+00 to 194+55	-	1 02-Dec-15	02-Dec-15	-118	WC		Bed trend	S Install 10 JF	JF from Sta 100+00	00 nd 194+85				· · · ·
			20 20 10									_			
											_	_			Theorem 8 Monday
PL2-95	Gov't Review & Accept Existing Air Force 10" Pipeline & Navy PipeLine North	vo :	5 18-Nov-16	28-Nov-16	-132	W.C					=				
•											_		_		
NPLN-J-RC	Repair Coating Repair (N2.32) (C-461)	-	1 13-Oct-16	13-Oct-16	-132	WC							ħ		epair (N2,32) (C
NPLN-J-RD	Backfill Repair (N2.32) (C-461)	-	1 17-Oct-16	17-Oct-16	-132	WC							_	Backfill Fepair (NZ.32) (C-461)	N2.32) (C-461)
											=	_	_		
20.10	And Consideration of the constant of the const	L	E 22 May 16	27 May 15	120	CM					Part Rev	vev & Accept		to Pipeline &	10" Pipeline & Navy PipeLine South
FL1-33	GOVI REVIEW & ACCEPTIVEM All LOICE TO FIPORITE & MAY FIPORITE SOURT			27-14/39-10	251)			-						
-														000000000000000000000000000000000000000	
NPLN-I-LB	Perform Repairs (N2.30, LPD9 & 2.31) (C-460)	-	1 29-Sep-16	29-Sep-16	-127	o M								ionii nepais (iv	
NPLN-I-C	Repair Coating Repairs (N2.30, LPD9 & 2.31) (C-460)	-	1 03-Oct-16	03-Oct-16	-127	WC					_			pair coaling Hepa	ars (NZ.30, LP.D9
NPLN-I-LD	Backfill Repairs (N2.30, LPD9 & 2.31) (C-460)	-	1 04-Oct-16	04-Oct-16	-127	WC							1	ackfill Repairs (N2.30, LPD9 & 2.31) (C	2.30, LPD9 & 2.
G															
2007 11 1014	Description Descript NO 40 0 04 (CAE2)	,	1 07 Sep. 16	07.500-16	-121	3							ig d	Chating Repairs N2.1	.19-2.21 (C-457)
N-1-N-1-N	nepail Coaling nepails INC. 1942.21	- (01.795.70	01.000.70		2 2					_		ğ	Vavie Vaul V-3 8	Renairs N2.19-2.21
NPLN-F-V3D	Backfill Vavie Vault V-3 & Repairs N2,19-2,21 (-457)	N	2 08-Sep-16	91-dec-21	171-	2 :					=	_		Banaire (No 228.2	10.45B)
NPLN-G-RD	Backfill Repairs (N2.22&2.23) (C-458)	-	1 13-Sep-16	13-Sep-16	-121	WC WC								nepalls (Ne. 220	(C+36)
NPL-LPDV3-70	Backfill LPD-3 (North N2.25, LPD7) & Repair N2.24	-	1 14-Sep-16	14-Sep-16	-131	29							ř Ř	LPD-3 (North N2.25, LPD7) & Repa	.35, LPD7) & Re
G.							-					,			
NOIN D VOO	Install Vaul Hoordes on Navy Binding 2 Morth V.2	6	3 - 26, hid. 16	28-114-16	-126	S						Insta	/ Littled an	s on Navy Pipeline 2 North V-2	ne 2 North V-2
INTER-0-42B	Install value Updraces of Irany Fibring 2 Ivanii 4-2	, c		01-10-07	921						_	-	<u> </u>	-North) (C455)	
VIII-01-01-12	TIPV Hepar (TPV 2-North) (C-455)			03-Aug-16	071-	2 2					-	1		(3-North) (6-456)	
NP(N-E-HPV	HPV Repair (HPV3-North) (C-456)	n	3 04-Aug-16	03-Aug-16	-170) (0.7		No 16 (PFS) // AF	19
NPLN-E-LB	Perform Repair (N2.16, LPD5) (C-456)	-	1 10-Aug-16	10-Aug-16	-126	χ. ×								No 471 (C 466)	· ·
NPLN-E-RB	Perform Repair (N2.17) (C-456)	-	1 11-Aug-16	11-Aug-16	-126	 ≥								(0)	
NPLN-F-HPV	HPV Repair (HPV4-North) (C-457)	၈	3 15-Aug-16	17-Aug-16	-126	wc						<u>T</u>	a	PV4-North (C-45/	
-14											_				
Actual Work	Critical Bemaining Work			Pa	Page 2 of 8				TASK filter: Critical	tical.					
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Deministra	1. A A Milestone														Occapio Compration

Upgrade Fuel Pipeline, Guam	uam			ime Scaled Logic	Time Scaled Logic Diagram (Critical Path	Path								3			07-Oc	07-Oct-15 17:57
Activity ID	Activity Name	Original Rema	naining Start	Finish	Total Calendar	لبا	11	Н	11	11	11		l≝I.			11	3	2017
		,	ation			des	Oct Nov	Dec	Jan Feb	Mar Apr	х Мау	3	Jul	AugS	ŏ	Nov	Dec Jan Feb It	Feb lar
NPLN-H-V4C	Repair Coating on Navy Pipeline 2 North V-4		1 21-Sep-16	21-Sep-16												Coating on Navy	ravy Pipeline	4 North
NPINCE TO	Backliff Boosis A/3 271/C-460	- •	1 26. Cep. 16	26-5-9p-16	124 WC											II Repair IN	ciii Benair (N2 27) (C-460)	
NPLN-I-R2D	Backfill Benair (N2.29) (C-460)		1 27-Sep-16	27-Sen-16											ď	ill Repair (N	kfill Repair (N2.29) (C-460)	
ı.																		
NPLN-I-R2C	Repair Coatling Repair (N2.29) (C-460)	1	1 26-Sep-16	26-Sep-16	-124 WC										т П	Coating Re	Coating Repair N2.29) (C-460)	C-460)
91.												_						•
NPLN-I-R1C	Repair Coating Repair (N2.27) (C-460)	-	1 22-Sep-16	22-Sep-16	-124 WC		en en en en en en en en en en en en en e								1	Coating Rep	epair (n2.27) (C-460)	460)
17													=					
NPLN-M-VB	Perform Repairs (DV3, N2.41-N2.42) (C-463)	-	1 23-Jun-16	23-Jun-16								T:	Perferin	9	N.	N2.42) (C-163)	e e	
NPLN-A-RB	Perform Repairs (N2.1-N2.6) (C-451)	4	4 24-Jun-16	29-Jun-16								I.	E E	76	N.			
NPLN-B-DV1-C	Modity Piping N. line DV-1 incl Repairs (C-452)	-	1 30-Jun-16	30~Jun-16								<u> </u>	Á	Ξ	2	_	(C-452)	
NPLN-8-V18	Install Vault Upgrades on Navy Pipeline 2 North V-1 & Repair N2,7	4	4 05-Jul-16	11-Jul-16								=	Ž.	Vaus	y actes of	₩-	ine 2 North V-1 8	orth V-1 & Repair N
NPLN-C-HPV	HPV Repair (HPV1-North) (C-453)	e	3 12-Jul-16	14-Jul-16									Ì	uP v Repar	Î A	2423		
NPLN-C-LB	Perform Repairs (Nz.12, LPD2 & 2.13) (C-453)	-	1 18-Jul-16	18-Jul-16			-						Ī	LL O	K (2	, LPD2 & F.1	13) (C453)	
NPINLILIA	Portorm Hopail (NZ.11) (C-453) Deform Benair NO 14 DD3 (C-454)		1 30-161-16	19-Jul-16	-124 WC								17	Phytom Res	2	(C-453)	Ī	
o,	r shunin rightan (Mc. 14, cr b.) (C-404)		01-10-02-1	ZUZGIF 10									ı				<u> </u>	
PR02D2	Deliver Fuel Pipe (Balance)	-	1 17-Dec-14 A	, 01-Oct-15	-124 5d		Deliver Fuel Pig	Pipe (Balance										
6].																C	100,100	
NPIN-H-RC	Hepair Coating Repair (N2.26) (C-459) Backfill Banair (N2.26) (C-459)		1 15-Sep-16	15-Sep-16	-122 WC		muosaa							_	2 = 2 = 2 =	January Kapa	Coaling Repair (NZ 26) (C-459)	(f)
ON THE PROPERTY OF	Dackill repair (18,20) (C+39)	-		13-295-10											<u> </u>	i i	(20)	
SS CONTRACTOR	Boonin Continue Booning (NO 208 2 20) (C. 450)		4 00 Con 15	30 C and 40			-	-		-					COST	San Renaire	re (ND 00.8.0 23) (C.458)	(6,458)
WPLING-RU	nepair coating nepairs (NZ,ZZ&Z,ZJ) (C458)	-	1 08-Sep-16	08-Sep-16	-120 WC		economic d										S (142,220,23)	9
ZI NP! N.M.BB	Parform Barrair M 2 30 2 38 I DN 43 (CA63)	-	1 44. hm-46	14. Jun. 16	110		i i i i i i i i i i i i i i i i i i i					1	- 6	N V		D13) (C.463)		
ואו ביגיאינונים	raturii rapar (m.z.33, z.30 Er U.3) (C.433)	-	14-20/1-10	1420110	-116 W							I			_	2		
7 Services	Brofabionis 10" IE from Cir. 100, 00 to 104, EE	9,	A 24 mil Ex 3	14 0-4 15	707		Profesorosto 10* 1E fre	10, 15	0.01	10.00 to 104.55								
	יופומטונימוס זיי יויסון לימ ויטיוי לימ ויטיוי לימ	2	001100000000000000000000000000000000000			E												
APLN-D1	Prefabricate 10" JF from Sta 294+60 to 302+70	4	4 15-Oct-15	21-Oct-15	-107 WC		Prefabl ca	Prefabl cate 10" JF in		60 to 302-7								
APLN-E1	Prefabricate 10" JF from Sta 304+05 to 326+40	15		13-Nov-15				refabricate 1	JS I	304+05 to 326+40	3.6+40							
APUN-F1	Prefabricate 10" JF from Sta 326+70 to 400+00	12		03-Dec-15				Prefabricat		m Sta 326-76 to 400	70 to 400	3						
APLN-F1c	Coat Pipe welds 10" JF from Sta 326+70 to 400+00	15	12 04-Dec-15	21-Dec-15	-107 WC		-	S Coa	g	0" JF from Sta 326+	58 326+3		3 5					
APUN-13	Bed trench & Install 10° JF from Sta 326+40 to 400+00	1	1 22-Dec-15	22-Dec-15	-107 WC			-	sui e usi		N SIA		3					
23	Expensive Ant 15 fame St. Odd. CO. in Don. To the Light		7.000	200				-	11 LO	2041.60	200. 20							
APLN-02	Excavate 10" JF from Sta 294+60 to 302+70 "On Hold"	- (02-Dec-15	811-			XCG III	10. 15 rom	214 204 10 302+10	326.4			=				
API N-F2	Excavate 10 31 from Sta 304+03 to 320+40 Off rold Excavate 10 11 from Sta 306+40 to 400+00 "On Hold"	v 1	7 07-Dec-15	15-Dec-15	OM 501-				F	om Sta 326+40 to 400	40 10 400							
7 76	באמיניוט אינייטייטיר טו טרייטיטי ווטוו וט עו טוייטייטי	,	Classic /	13-56-13														
NPL LPDV1-50	Install Plining & valves in LPD-1 (North N2.15. LPD4)	2	2 06-100-16	07-4m-16	-116 54							¥	a iping	s valves	IPD-1	Jorth N2.15. L	LPD4	
NPL-LPDV2-50	Install Piping & valves in LPD-2 (North NZ 18, LPD6)	1 (3)	2 08-Jun-16	09-Jun-16	-116 5d							ľ		k valves in	PI-3		(PDe)	
NPLN-M-LB	Perform Repair (N.2.40, LPD14) (C-463)	F	1 10-Jun-16	10-Jun-16	>							•	forn Fed	ir (N.240)	PD 4) C	C-463)		
25																		
APLN-D3	Bed trench & Install 10" JF from Sta 294+60 to 302+70	1	1 03-Dec-15	03-Dec-15	-115 Sd		-11	Bed trenc	& Install 10	JF from St	Sta 294+60	9 0	0					
26								•••										
APLN-E3	Bed trench & Install 10" JF from Sta 304+05 to 326+40	-	1 04-Dec-15	04-Dec-15	-114 5d			ed french	ench & Ins all 10	JF from S	Sta 304+06	93	¥					
27										_	- (
APLN-BBO	Install New 10" Pipeline AOA East (Bore#1, 167+25 to 172+25) "On Hold"	۱ ر	7 02-Oct-15	13-Oct-15	-113	,			to Pripeling AOA East (Bore#1, 16		0 0 1	3.5						
APLN-BB03	Install New 10" Pipeline AOA East (Bore#3, 17,125 to 162+10)	د ا م		29-Oct-15	-113 5d		nsta -		10' Pipeline AOA East (Bore#3	٠.	182+16 te	Į W						
				ı														
Actual Work Remaining Work	Mark ◆ ◆ Milestone			Se-	Page 3 of 8				TASK filter: Critical	Critical.							-	;
	,	_															© Oracle Corporation	Corporation

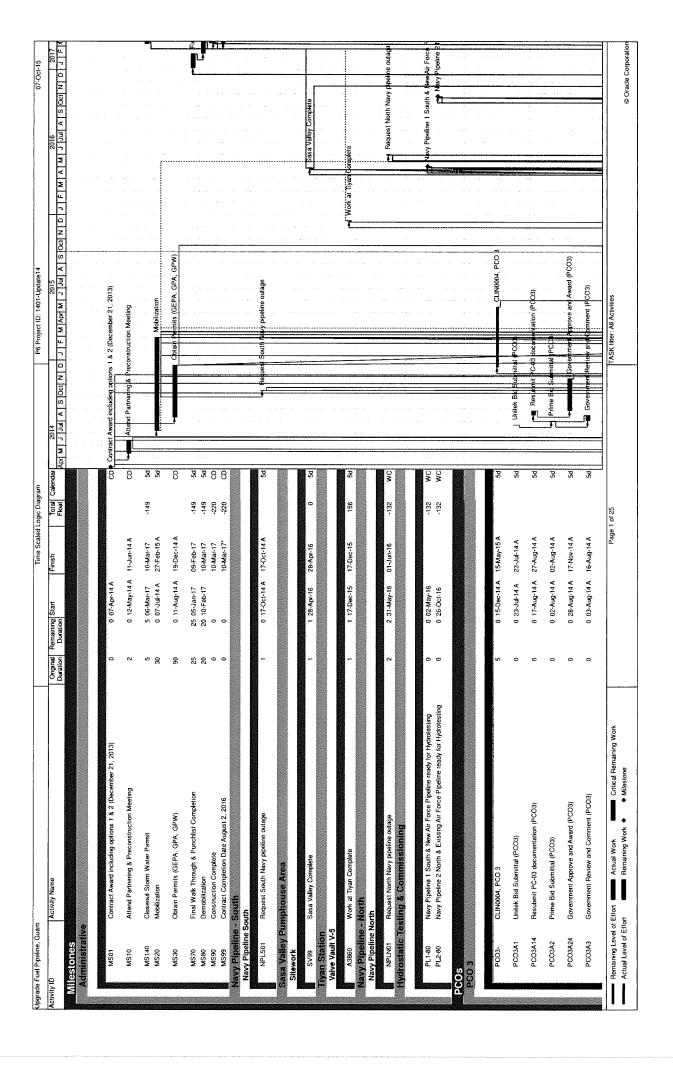
Second Column Col	Upgrade Fuel Pipeline, Guam	nam		Tim	Time Scaled Logic Diagram (Critical Path	Diagram (Critica	al Path							07-Oct-15 17:57
Control Cont	Activity 1D	Activity Name	Rema	ing Start	Finish				H			2016	3	1
1995 1995	28		ล็	lou lou		rioat		AON	┯	wa.	-		3 =	Dec 7an
Color	NPLN-A-RA	Excavate for Repairs (N2.1-N2.6) (C-451)	2	2:06-Jun-16	07√Jun-16		Q.					Erdayae for F	•	
December 2 December 2 December 3 Dec	29 NP! N-R-DV1-A	Excavate DV-1 & Benairs N2 8-N2-10 (C-452)	-	1 08-Jun-16	08-Jun-16		Ų					~	킱	
United Consideration of the first of the consideration of the consid	NPLN-B-DV1-B	Demo Vault DV-1 (C-452)	2	2 09-Jun-16	10-Jun-16		ρl					<u></u>	(2)	
1.0.000 1.0.	30													
1 1 1 1 1 1 1 1 1 1	APLN-G1	Prefabricate 10" JF from Sta 400+00 to 468+15 *On Hold* Declarations 40* 15 from Sta 468 to 550, 00 *On Hold*	= 3	11 04-Dec-15	18-Dec-15		<u> </u>		relabrical Pref	bicate 10" JF fro	#104-00 10 4 E			
Control of the Cont	APUN-H1c	Coal Pipe welds 10" JF from Sta 468+85 to 550+00	2 12		28-Jan-16		Q Q		ļ	Coat Pipe welds 1		ò		
Under County Pre-wake with from 5st stand to whether with fr	APLN-H3	Bed trench & Instalf 10" JF from Sta 468+15 to 550+00	+	1 29-Jan-16	29-Jan-16		١٥		1	Bed trench & Inst		-		
Control Control Person Control Perso	31								{ [100		1000		
19.00 See Secretar of Front Stand Of Front St	APLN-G1c	Coat Pipe welds 10" JF from Sta 400+00 to 468+15	=		07-Jan-16		<u> </u>			ripe weds 10 Jr				
Part Extension If Finns Statistical States Chicago Part Extension If Finns Statistical States Chicago Part Extension If Finns Statistical States Chicago Part It Part	APLN-G3	Bed trench & Install 10" JF from Sta 400+00 to 468+15	1		08~Jan-16		<u>.</u>			0 1000	5			
Tubble Excession of Principle Set State Control Contr	32	THE COURT OF MAN AND THE COURT OF THE COURT	~	1 04 1	3,6		7.7		Tay La	A 10" IF trom Sta	400,000,4694	į		
	APLN-622	Excavate 10" JF from Sta 400+00 458+15 "On HOAd"	/	/ 21-Dec-15	30-Dec-15		200							
	33								1	to all in the feet		- Con 100 - Con		
Use Colored	APLN-H2	Excavate 10" JF from Sta 468+85 to 550+00 'On Hold"	8	8:12-Jan-16	22-Jan-16	Managagagaga	2			ACAVATE TO JE JE				
Under Control Contro	3.4								-					
1 1 1 1 1 1 1 1 1 1	NPLN-B-V1A	Excavate Valve Vault V-1 & Repair 2.7	2	2 09-Jun-16	. 10-Jun-16		ပ္					E,		
1 14-25 15-25	35													19 DOE: // 1861
1 15 Aug 16 1 1 1 1 1 1 1 1 1	NPLN-E-LC	Repair Coating Repair (N2.16, LPD5) (C-456)	-	1 11-Aug-16	11-Aug-16		0							D. C. C. (C. C.)
1 15-Appl 1 1 1 1 1 1 1 1 1	NPLN-E-LD	Backfill Repair (N2.16, LPD5) (C-456)		1-15-Aug-16	15-Aug-16		<u> </u>							5
1 1 1 1 1 1 1 1 1 1	NPLN-E-RD	Backfill Repair (N2.17) (C-456)	1 Romisonerina meneralismana	1 16-Aug-16	16-Aug-16	866	-							· · · ·
Particle Particle	36		,	3, 3, 4, 7	3,								009	217) (C-456)
Part Part	אייויאי דיס	repair Coainig repair (NZ 17) (C-436)	-	1 15-409-16	13-Aug-10		2							·····
December December	APIN.DB04	Install Nov. 10" Dingling Primary Board Creeding 9, Pt. 97 Harmon Lova (Romald		5 30-Oct-15	05-Nov-15		13	us		e Primary Road Cl		Hamon pap (Bore#4,	800	
1 1 1 1 1 1 1 1 1 1	+500-NJUV	listantivew to ripeline rithtaly road crossling at rule? Frantion Loop (butern), 293+00 to 295+00)					3			,				
Part Part	APLN-DB05	Install New 10° Pipeline Primary Road Crossing at Rt 1 (Bore#5, 302+00 to	ស	5 06-Nov-15	13-Nov-15		P. 29	stal	New 10" Pipe	line Primary Road		302+	(52)	
## Perform Phase 3 demolition at AAPB pig receiver 1 1 105-Jan-17 105 54 1	APLN-EB06	Install New 10* Pipeline Primary Road Crossing at Rt 27A (Bore #6, 326+10 to		5 16-Nov-15	20-Nov-15		Ŋ		Il New 10 Pir	veline Primary Roa		φĵ	0.327+00)	
Page Preform Phase 3 demonstron at AAFE pig receiver 1 1 06-Jan-17 106- Jan-17 106 54 Preform Phase 3 demonstron at AAFE pig receiver 1 1 06-Jan-17 106 54 Preform Phase 3 demonstron at AAFE pig receiver 1 1 06- Jan-17 106 54 Preform Phase 3 demonstration at AAFE pig receiver 1 1 06- Jan-17 106 54 Preform Phase 3 demonstration at AAFE pig receiver 1 1 06- Jan-17 106 54 Preform Phase 3 demonstration at AAFE pig receiver 1 1 06- Jan-17 106 54 Preform Phase 3 demonstration at AAFE pig receiver 1 1 06- Jan-17 106 Preform Phase 3 demonstration at AAFE pig receiver 1 1 06- Jan-17 106 Preform Phase 3 demonstration at AAFE pig receiver 1 1 06- Jan-17 106 Preform Phase 3 demonstration at AAFE pig receiver 1 1 06- Jan-17 106 Preform Phase 3 demonstration at AAFE pig receiver 1 1 06- Jan-17 106 Preform Phase 3 demonstration at AAFE pig receiver 1 1 06- Jan-17 106 Preform Phase 3 demonstration at AAFE pig receiver 1 1 06- Jan-17 106 Preform Phase 3 demonstration at AAFE pig receiver 1 1 06- Jan-17 106 Preform Phase 3 demonstration at AAFE pig receiver 1 1 06- Jan-17 106 Preform Phase 3 demonstration at AAFE pig receiver 1 1 06- Jan-17 106 Preform Phase 3 demonstration at AAFE pig receiver 1 1 06- Jan-17 106 Preform Phase 3 demonstration at AAFE pig receiver 1 1 06- Jan-17 1 1 06- Jan-1		327+00)												
Package Perform Plana 3 demodition at AAPB pig receiver 1 1 G-Jan-17 3-16	#													
Physical bland flarage (plane e 3) 1 106-Jan-17 106-Jan-17 106-Jan-17 106-Jan-17 106-Jan-17 106-Jan-17 106-Jan-18 1	APR-3A	Perform Phase 3 demolition at AAFB pig receiver	1	1 05-Jan-17	05-Jan-17		2							Perform P
1.LPUS-FRAx MagADg (PCOS) for Repairs (V2.228.22.23) (C-459) 1.LPUS-FRAx MagADg (PCOS) for Repairs (V2.228.22.23) (C-459) 1.LPUS-FRAx MagADg (PCOS) for Repair (V2.24) 1.LPUS-FRAx MagADg (PCOS) for Repair (V2.27) 1.LPUS-FRAX MAGADG (PCOS) for Repai	APR-38	Install blind (lange (phase 3)	1	1 06-Jan-17	06-Jan-17		<u>Z</u>						414	III (Instan
14. ProyAx Magdog (PCOS) for Repair (R.228.Z.23) (C-45) 15. July-HAAx Magdog (PCOS) for Repair (R.2.28.Z.23) (C-45) 15. July-HAAx Magdog (PCOS) for Repair (R.2.9) 16. Sol-Jul-16 17. July-HAAx Magdog (PCOS) for Repair (R.2.9) 18. July-HAAx Magdog (PCOS) for Repair	88											- i	2	
124-1703-55X Magdag (POCS) (after Auti V.4 Ax Magdag (POCS) (afte	NPLN-G-RAx	Mag&Dig (PCO5) for Repairs (N2.22&2.23) (C-458)	က		08-Jun-16							j	2	(5-4-30) 007) & Benair N2 24
May 20 pp (PCOS) for Repair (N.2.2t) (C-460) S 1 2-Jun-16 106 WC WC May 20 pp (PCOS) for Repair (N.2.2t) (C-460) S 2-Jun-16 106 WC WC May 20 pp (PCOS) for Repair (N.2.2t) (C-460) S 3 30-Jun-16 106 WC WC May 20 pp (PCOS) for Repair (N.2.2t) (C-460) S 3 30-Jun-16 106 WC WC May 20 pp (PCOS) for Repair (N.2.2t) (C-460) S 3 30-Jun-16 106 WC May 20 pp (PCOS) for Repair (N.2.2t) (C-461) S 3 30-Jun-16 106 WC May 20 pp (PCOS) for Repair (N.2.2t) (C-461) S 3 30-Jun-16 106 WC May 20 pp (PCOS) for Repair (N.2.2t) (C-461) S 3 30-Jun-16 106 WC May 20 pp (PCOS) for Repair (N.2.2t) (C-461) S 3 30-Jun-16 106 WC May 20 pp (PCOS) for Repair (N.2.2t) (C-461) S 3 30-Jun-16 106 WC May 20 pp (PCOS) for Repair (N.2.2t) (C-462) S 3 30-Jun-16 106 WC May 20 pp (PCOS) for Repair (N.2.2t) (C-462) S 3 30-Jun-16 106 WC May 20 pp (PCOS) for Repair (N.2.2t) (C-462) S 3 30-Jun-16 106 WC May 20 pp (PCOS) for Repair (D.1. UV. N.2.6-R.2.3t) (C-462) S 3 30-Jun-16 106 WC May 20 pp (PCOS) for Repair (D.1. UV. N.2.6-R.2.3t) (C-462) S 3 30-Jun-16 106 WC May 20 pp (PCOS) for Repair (D.1. UV. N.2.6-R.2.3t) (C-462) S 3 30-Jun-16 S 3 30-	NPL-LPDV3-50x	Mag&Dig (PCO5) LPD-3 (North N2.25, LPD7) & Repair N2.24	9 (16-Jun-16		<u> </u>						7	to the second se
14.4.1.4.x. MageDig (PCOS) for Repair (N.2.2) (C-46)) 15.4.4.1.6. 1.06 WC 15.4.4.1.6. 1.06 WC 16. 07-Jul-16 18-Jul-16 19-Jul-16 19-J	NPLN-H-V4AX	Magalag (PCCs) valve valut v-4	ກ ແ		29-lim-16		<u> </u>					T Mag Dig (PCC)		(65)
14.14-R2AX MagsDig (PCOS) for Repair (NL29) (C-46)) 15. 14.14-16 16. 6 6 07-Jul-16 17. 7 52-Jul-16 18. 16. WC 14.14-RAX MagsDig (PCOS) for Repair (NL29) (C-46)) 17. 7 52-Jul-16 18. 16. 106 18. WC 18. Jul-16	NPI N-L-R1AY	Magazig (1 003) for Benair (N2 27) (0.460)		3.30-Jun-16	06-14-16		, į					Mag&big (PC	-8	
Part Page	NPLN-1-R2Ax	Mag&Dig (PCO5) for Repair (N2,29) (C-460)	9	6 07-Jul-16	18-Jul-16		Ö					Mag&Dig (<u>±</u>	29) (C-460)
PUN-LPAX MagADig (POCS) for Repair (NE.23) (C-461) 3 0.4Aug-16 0.3Aug-16 0.106 WC PUN-LAX MagADig (POCS) for Repair (NE.23) (C-461) 3 0.4Aug-16 0.3Aug-16 0.106 WC Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 3 0.4Aug-16 0.106 WC Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 3 0.4Aug-16 0.106 WC Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 3 0.3Bull-LVB Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 4 Demo DF-1 Page 4 of 8 Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 4 Demo DF-1 Page 4 of 8 Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 4 Demo DF-1 Page 4 of 8 Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 4 Demo DF-1 Page 4 of 8 Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 4 Demo DF-1 Page 4 of 8 Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 4 Demo DF-1 Page 4 of 8 Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 4 Demo DF-1 Page 4 of 8 Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 4 Demo DF-1 Page 4 of 8 Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 4 Demo DF-1 Page 4 of 8 Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 4 Demo DF-1 Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 4 Demo DF-1 Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 4 Demo DF-1 Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 4 Demo DF-1 Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 4 Demo DF-1 Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 4 Demo DF-1 Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 4 Demo DF-1 Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 4 Demo DF-1 Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 4 Demo DF-1 Perform Repairs (DF1, DV2, NE.36-NE.37) (C-462) 4 Demo DF-1 Perform Repairs (DF1, D	NPLN-I-LAx	Mag&Dig (PCO5) for Repairs (N2.30, LPD9 & N2.31) (C-460)	ო	3 19-Jul-16	21~Jul-16		<u>ن</u>					Mag&Dig	(SO2)	230, LPD9 & N2.31) (C
PLN-J-LAX Mag&Dig (PCOS) for Repair (NZ.33, LP10) (C-461) PLN-J-LAX Mag&Dig (PCOS) for Repair (NZ.33, LP10) (Z-461) PLN-L-VAX Mag&Dig (PCOS) for Repair (NZ.34, LP10) (Z-462) PLN-L-VAX Mag&Dig (PCOS) for Repair (PCOS) for Rep	NPLN-J-RAx	Mag&Dig (PCO5) for Repair (N2.32) (C-461)	7	7 25Jul-16	03-Aug-16		δ					Mag&	Ð,	(N2.32) (C-461)
1-L-PDV6-50x MagsDig (PCO5) LPD-6 (North N2.35, LPD12) 1-L-PDV6-50x MagsDig (PCO5) LPD-6 (North N2.35, LPD12) 1-L-L-Vax MagsDig (PCO5) LPD-6 (North N2.37) (C-462) NPLNJ-LAx	Mag&Dig (PCO5) for Repair (N2.33, LP10) (C-461)	က	3 04-Aug-16	09-Aug-16		ρ					Se ¥	9	in (N2, 33, LP10) (C-461)	
PuHL-Vax Magablig (PCOS) for Repairs (DF1, DV2, N2-36-N2-37) (C-462) 7 7 (6-Aug-16 25-Aug-16	NPL-LPDV6-50x	Mag&Dig (PCO5) LPD-6 (North N2.35, LPD12)	6	3 10-Aug-16	15-Aug-16		ō					Σ •	5	(North N2.35, LPD12)
Pertorm Repairs (DF1, DV2, R2,36-R2,37) (C-462) 1 1 01-Sep-16 01-Sep-16 106 WC 1 1 01-Sep-16 01-Sep-16 105 WC 1 1 01-Sep-16 105 WC 1 2 2-3-Aug-16 30-Aug-16 30-Aug-16 105 WC 1 3 2 2 3 3 2 3 3 3 2 3 3 3 3 2 3 3 3 3	NPLN-L-VAx	Mag&Dig (PCO5) for Repairs (DF1, DV2, N2.36-N2.37) (C-462)	7	7 16-Aug-16	25-Aug-16		<u>υ</u>						-	16 pairs (DF 1, DVZ, NZ
PUNL-VC Repair Coating Repairs (DF1, DV2, N236-N2.37) (C-462) 1 1 01-Sep-16 01-Sep-16 106 WC Papar Coating Repair Coating R	NPLN4L-VB	Perform Repairs (DF1, DV2, N2.36-N2.37) (C-462)	e	3 29-Aug-16	31-Aug-16		<u></u> δ (2	I DVZ, INC.30-NZ.37) (
PLN-L-VE Demo DF-1 Actual Work ■ Milestone Actual Work ◆ • Milestone	NPLN4-VC	Repair Coating Repairs (DF1, DV2, N2,36-N2,37) (C-462)	1	1 01-Sep-16	01-Sep-16		<u>Σ</u>							
■■ Critical Remaining Work TASK filter: Critical. → Milestore	40 NPLN4L-VE	Demo DF-1	2	2 29-Aug-16	30-Aug-16		Į,					_T	Demo DF-1	
◆ ♦ Milestore	7	Califord Description Mode			Page	3 4 of 8			TA	SK filter: Critical.				
	Actual Work	١.			?									© Oracle Corpo
									-					

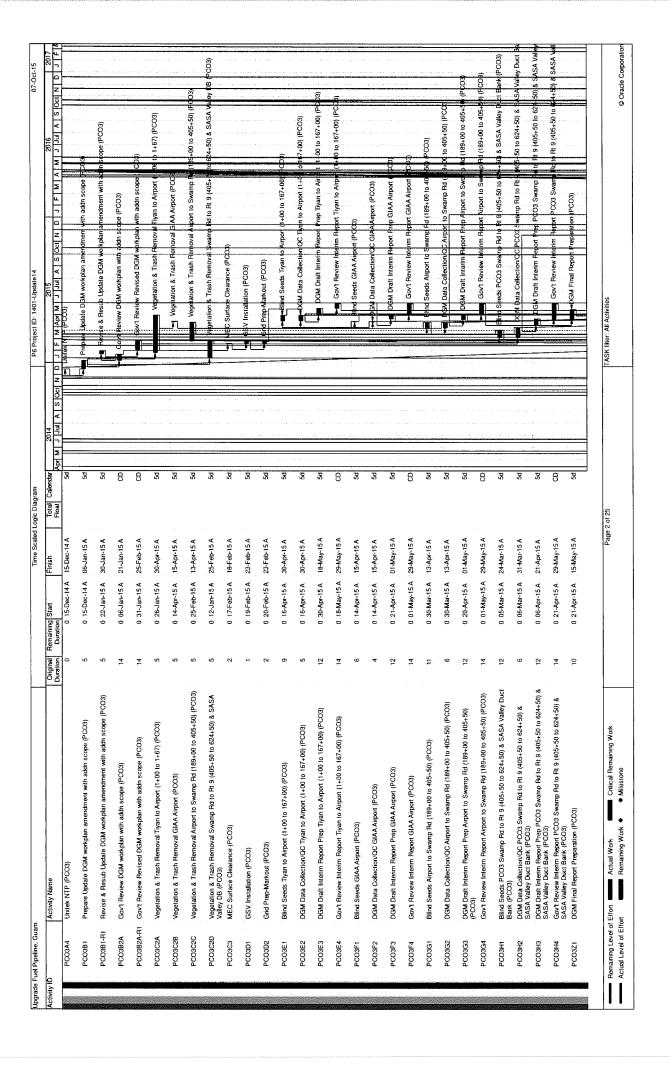
	Upgrade Fuel Pipeline, Guam	juam		Time Scaled Logic	Time Scaled Logic Diagram (Critical Path	ath				07-Oct-15 17:57
Part Part	Activity 1D	Activity Name	Remain	Finish	Total Calendar		-		2016	2017
Part Part			Dural		Float	Oct	-	Feb Mar Apr	Jun Jul Aug Sep Oct Nov	╁┤
1 1 1 1 1 1 1 1 1 1	41 NPL-LPDV6-60	install Piping & valves in LPD-6 (North N2.35, LPD12)							Tins all Piping & valves in PD-6	(North N2.35, LPDI2
1.00 1.00	42 NPLN-D-V2C NPLN-D-V2D	Repair Coaling on Navy Pipeline 2 North V/2 Back III Valve Vault V/2	1 1 01-Au 1 1 02-Au							xth V-2
1 19,000 19,000 19,000 19,000 19,000	43 APLN-B1c	Coat Pipe welds 10" JF from Sta 1001-00 to 194+55	12					JF from Sta 100+00 to 194+	250	
	44 NPLN-C-LC	Repair Coating Repairs (N2.12, LPD2.8.2.13) (C-453)	N-61 † 19-4W			- F.			Repair Coaing Repairs (NZ.12, L.	2.13) (C-453)
1 1 1 1 1 1 1 1 1 1	NPLN-C-LD	Backfill Repairs (N2.12, LPD2 & 2.13) (C-453)	1 20-34						Backfill Repairs (N2.12, LPD2 &	1453)
12-0-16-16	NPLN-C-RD NPLN-D-LD	Backlill Hepair (Nz. 11) (C-453) Backlill Repair (Nz. 14, LPD3) (C-454)	1 1 25-Jul							
	45 NPLN-D-LC	Repair Coating Repair (NZ.14, LPD3) (C-454)								454)
1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,	46						-		Ċ	
Public Cotal Pape wide by Ji from Sta 20-Lot (2 to 20 kg) Public Cotal Pape wide by Ji from Sta 20-Lot (2 to 20 kg) Public Cotal Pape wide by Ji from Sta 20-Lot (2 to 20 kg) Public Publ	NPLN-C-RC	Repair Coating Repair (N2.11) (C-453)	-						ę.	
Public Colum Pres wells 17 - 27 - 27 - 27 - 27 - 27 - 27 - 27 -	APLN-E1c	Coat Pipe welds 10" JF from Sta 304+05 to 326+40				7	oat Pipe welcs	- 	100	
1 1 1 1 1 1 1 1 1 1	48					∃				
Page Caming Nave Page	APLN-D1c	Coat Pipe wekds 10" JF from Sta 294+60 to 302+70	5				Pipe welds 10	9	*	
Packer P	NPLN-B-V1C	Repair Coalings Navy Pipeline 2 North V-1 & Repair N2.7	-						Repar Coatings Navy Pipeline 2 North V-1	& Repair N2.7
19.14 C Coar Pipe webs 10° - From Sin S50.00 to 823-15 19.14 C Coar Pipe Webs 10° - From Sin S50.00 to 823-15 19.14 C Coar Pipe Webs 10° - From Sin S50.00 to 823-15 19.14 C Coar Pipe Webs 10° - From Sin S50.00 to 823-15 19.14 C Coar Pipe Webs 10° - From Sin S50.00 to 823-15 19.14 C Coar Pipe Webs 10° - From Sin S50.00 to 823-15 19.14 C Coar Pipe Webs 10° - From Sin S50.00 to 823-15 19.14 C Coar Pipe Webs 10° - From Sin S50.00 to 823-15 19.14 C Coar Pipe Webs 10° - From Sin S50.00 to 823-15 19.14 C Coar Pipe Webs 10° -	NPLN-B-V1D	Backfill Valve Vault V-1			Newstern	-			Backiii Valve Vault V-1	
1. U.A.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 1. 1. 24-Feb-16 2. 2. 20-Lu-Fe 2. 2. 20-Lu-Fe 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 1. 1. 1. 24-Feb-16 2. 2. 20-Lu-Fe 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 1. 1. 1. 24-Feb-16 2. 2. 20-Lu-Fe 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 1. 1. 1. 24-Feb-16 2. 2. 20-Lu-Fe 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 1. 1. 24-Feb-16 2. 2. 20-Lu-Fe 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe wells if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe well if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe well if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe well if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe well if U.F. Iron Sia 155-20 to 234-90 3. W.C. Coal Pipe well if Well iron Well if Well if Well iron Well if Well iron Well if Well iron Well if Well iron Well if Well iron Well iron Well if Well iron Well if Well iron Well iron Well iron Well	50 APLN-Hc	Coat Ploa welds 10" JF from Sta 550+00 to 623+15	10						Om Sta 55	
1. U.A.A.P.C. Repair County Repairs (V. A.C.A.C.) 1. L.A.A.P.C. Repairs (V. A.C.A.C.) 1. L.A.A.P.C. Repairs (V. A.C.A.C.) 1. L.A.A.P.C. Repairs (V. A.C.A.C.) 1. L.A.A.P.C. Repairs (V. A.C.A.C.) 1. L.A.A.P.C. Repairs (V. A.C.A.C.) 1. L.A.A.P.C. Repairs (V. A.C.A.C.) 1. L.A.A.P.C. Repairs (V. A.C.A.C.) 1. L.A.A.P.C. Repairs (V. A.C.A.C.) 1. L.A.A.P.C. Repairs (V. A.C.A.C.) 1. L.A.A.P.C. Repairs (V. A.C.A.C.) 1. L.A.A.P.C. Repairs (V. A.C.A.C.C.) 1. L.A.A.P.C. Repairs (V. A.C.A.C.C.) 1. L.A.A.P.C. Re			' '	:						
1.1.3.d.	APLN-C10 APLN-C3	Coat Pipe welds 10° JF Irom Sta 195+20 to 234+90 Bed trench & Install 10° JF from Sta 195+20 to 234+90							,	-
2 2 29-Unit 6 250 WC Backill Ropanis RC 1-RC 6) Backill	51									
Packet Packet	NPLN-A-RC	Ropair Coating Repairs (N2.1-N2.6) (C-451)	2						υ,	
1UNB-DV1-D Coasting Repair N, line DV1 incil Repairs (C-452) 1 1 55-Jun-16 28 WC 1 1 22-Jun-16 28 WC 1 1 1 22-Jun-16 28 WC 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	NPLN-A-RD NPLN-B-DV1-E	Backfill Repairs (N2.1-N2.6) (C-451) Backfill DV-1 & Remairs (C-452)	- 5						Backiii Hepans (NZ.1-NZe) (C-451)	
Part Part	65	(man of the property of the pr								
1 2 2 2 3-Jun-16 2 4 2 WC Repair Chaing Repairs (DV3. N.Z. 41-N.Z. 42) (C-463) 1 1 2 3-Jun-16 32 WC Repair Chaing Repairs (DV3. N.Z. 41-N.Z. 42) (C-463) 1 1 2 3-Jun-16 32 WC Repair Chaing Repairs (DV3. N.Z. 41-N.Z. 42) (C-463) 1 1 2 3-Jun-16 32 WC Repair Chaing Repairs (DV3. N.Z. 41-N.Z. 42) (C-463) 1 2 3-Jun-16 32 WC Repair Chaing Repairs (DV3. N.Z. 41-N.Z. 42) (C-463) 1 2 3-Jun-16 32 WC Repair Chaing Repairs (DV3. N.Z. 41-N.Z. 42) (C-463) Repair	NPLN-B-DV1-D	Coating Repair N, line DV-1 incl Repairs (C-452)	-						- ig	52)
Publishing Repairs (DV3, N2.41-N2.42) (C-463) 1 1 22-Jun-16 22-Jun-16 22 WC Backfill Repairs (DV3, N2.41-N2.42) (C-463) 1 1 22-Jun-16 22-Jun-1	SS NPI NEM-VE	Demo DV.3	6							
128-Jun-16 Backlill Repairs (DV3. NL2.41-NL2.42) (C-463) 128-Jun-16 28-Jun-16 32 WC 128-Jun-16 328 WC 128-Jun-16 32 WC 128-Jun-16 32 WC 128-Jun-16 32 WC 128-Jun-16 32 WC 128-Jun-16 32 WC 128-Jun-16 32 WC 128-Jun-16 32 WC 128-Jun-16 32 WC 128-Jun-16 32 WC 128-Jun-16 32 WC 128-Jun-16 32 WC 128-Jun-16 32 WC 128-Jun-16 32 WC 138-Jun-16 32 WC 148-Jun-16 32 WC 158-Jun-16 32 WC 158-Jun-16 32 WC 158-Jun-16 32 WC 168-Jun-16 32 WC 178-Jun-16 32 WC 188-Jun-16 32	NPLN+M-VC	Repair Coating Repairs (DV3, N2.41-N2.42) (C-463)	, –							463)
Put-13 Bed trench & Install 10" JF from Sta 550+00 to 623+15" On Hold* 12 8 07-May-15 A 12-Feb-16 -90 50 14-C1 Prefabricate 10" JF from Sta 155,-20 to 234+90 15 1 29-May-15 A 12-Feb-16 -90 50 16 1 29-May-15 A 12-Feb-16 -90 50 17 25-Jan-16 01-Jun-16 -96 50 18 07-May-15 A 12-Feb-16 -90 50 19 1 1 29-May-15 A 12-Feb-16 -90 50 19 1 1 29-Jun-16 01-Jun-16 -96 50 19 1 1 02-Jun-16 01-Jun-16 -96 50 19 1 1 1 02-Jun-16 01-Jun-16 -96 50 19 1 1 1 02-Jun-16 01-Jun-16 -96 50 19 1 1 1 02-Jun-16 01-Jun-16 01-Jun-16 -96 50 19 1 1 1 02-Jun-16 01-Jun-16 01-	NPLN-M-VD	Backfill Repairs (DV3, N2,41-N2,42) (C-463)	-		SECTION SECTION					
PLN-13 Bed trench & Install 10" JF from Sta 550+00 to 623+15" On hold" 1	54 API N-11	Prelabricate 10", IF from Sta 550+,00 to 623+15 "On Hold"	ď						9+ 0 to 623+15 *On	
LLH:13 Bed french & Install 10" JF from Sta 559+00 to 623+15" On hold 1 1 29.May-15 A 12.Fab-16 90 56 **LLH:10 Prefabricate 10" JF from Sta 195+20 to 234+90 7 7 25-Jan-16 02.Fab-16 -90 56 **LLH:10 Secure & Dean existing 10" fuel line 2 2 31-May-16 01-Jun-16 -96 56d 56d 15-pointist Existing Valve Vault DV-4" On hold** 1 1 02-Jun-16 -96 56d 56d 1 1 02-Jun-16 -96 56d 56d 1 1 02-Jun-16 -96 56d 56d 1 1 02-Jun-16 -96 56d 1 1 02-Jun-16 -96 56d -97 -97 -97 -97 -97 -97 -97 <										
1.U-C1 Prefabricate 10" JF from Sta 195+20 to 234+90 1.E-10 Secure & Drain existing 10" fold line 2 2 31-May-16 01-Jun-16 -86 5d 1 1 02-Jun-16 02-Jun-16 -86 5d 3 03-Jun-16 07-Jun-16 -86 5d Actual Work ■ Chilca Remaining Work ● Milestone 1	SS APLN-13	Bed trench & Install 10" JF from Sta 550+00 to 623+15 "On hold"						T Bed trench & Install 10	JR from Sta 550+00 to 623+1	
LUACT Prefabricate 10" JF from Sta 195+20 to 234+90 7 7 25-Jan-16 0.25-dan-16 65d 6d 6d <t< td=""><td>5.6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	5.6									
1-E-10 Secure & Drain existing 10° fuel line 2 2 31-May-16 01-Jun-16 -86 5d 4 5e)tre & Drain existing 10° fuel line 20 31-May-16 2 31-May-16 01-Jun-16 -86 5d -96 5d -96 5d -96 5d -96 -96 5d -96	APLN-C1	Prefabricate 10" JF from Sta 195+20 to 234+90	7					Petabricate 10" JF from	ţ.	
Excavate Existing Valve Vault DV4 **On hold** Demokish Existing Valve Vault DV4 Demokish Existing Valve Vault DV4 Demokish Existing Valve Vault DV4 3 3 03-Jun-16 6 56 56 7 1	57 APLE-10	Secure & Prain existing 10" fuel line	2						Secure & Drain existing 10" fuel line	
Demokish Existing Valve Vault DV-4 3 3 3 0.3-Jun-16 07-Jun-16 6 5d TASK titler Critical. Page 5 of 8 TASK titler Critical.	ADV-4A	Excavate Existing Valve Vault DV-4 "On hold"	-						Excavate Existing Valve Vault DV-4	
Page 5 of 8 TASK filter Critical.	ADV-4B	Demolish Existing Valve Vault DV-4	3	07-Jun-16						
→Milestone	Actual Work			Pag	e 5 of 8		 	ASK filter: Critical.		
	Hemaining W.									© Oracle Corporation

Activity IĎ	Activity Name	Original	Remaining Start Duration	Finish	Total Calendar Float	Sep Oct Nov	Dec Jan Feb Mar	Apr May Jur	2016 Jul Aug Sep Oct Nov	Dec Jan Feb
ADV-58	Demolish Existing Valve Vault DV-5 & Piping		3 08-Jun-16	10-Jun-16						
ADV-6B	Demolish Existing Valve Vault DV-6 & Piping	e	3 13-Jun-16	15-Jun-16	98-	Ψ,				
ADV-7B	Demolish Existing Valve Vault DV-7	6	3 16-Jun-16	20-Jun-16	98-	128		1		
ADV-8B	Demolish Existing Valve Vault DV-8 & Pigno	3	3 21-Jun-16	23-Jun-16		29			Demolish Existing Valve Vaus DV-8 & Proing	
ADV-8C	Install New 10" Pixing @ DV-8 & New Vault V-8	6	3 24-Jun-16	. 28-Jun-16		120			Install New 10" Piping @ DV-8 & New Yau	ault V-8
ADV-8D	Backfill Valve Vault DV-8, V-8 & Piping	ю	3 29-Jun-16	01-Juf-16		25			Backfill valve Vault DV-8, V-8 & Piping	
API E.B13	Excavate Repair A1 1	-	1.05-104-16	05-114-16		7,2			Excavate Repair A1.1	-
API F-RID	Perform Repair Renair A1.1		1 06-304-16	06-Jul-16		29			Perform Repail Repair A1.11	
APLE-R1c	Coating Repair A1.1		1 07-Jul-16	07-Jul-16					Coating Repail A1.1	
APLE-R1d	Backfill Repair A1.1		1 08-Jul-16	08-Jul-16					Backfill Repair A1.1	
APLE-R2a	Excavate Repair A1.2	-	1 11-Jul-16	11-Jul-16					Excarate Repair A1,2	
APLE-R2b	Perform Repair Repair A1.2	-	1 12-Jul-16	12-Jul-16		2			Perform Repair Repair A1.2	
API E-R2c	Coating Berair A1.2		1 13-3ul-16	13-Jul-16					Coating Repair A1.2	
API F-R2d	Backfill Henair A1.2	-	1 14-Jul-16	14-Jul-16		22			Backfill Repair A1.2	
API E.B3a	Excavate Benair A13	-	1 15-400-16	15-114-16					Excavate Repair A1.3	
API E-H3h	Perform Repair A 1.3	-	1 18-4ul-16	18-Jul-16					Perform Repair Repair A1.3	
API E.B3c	Coatton Benair A1 3	-	1 19-101-16	19-114-16		20			Coating Repair A1.3	
PEG SIGV	Dankill Despit A 1 3		1 20-1-11-16	20-114-15					Backfill Repair A1.3	
API E DAS	Description Paper Al. 3		1 22 July 1	22-14-15		3 3			Excavate Repair A1.4	
APLE-R43	Excavate Hepair Al. 4	- •	01-10-27	25 1-1 20		3			Perform Repair Repair A1.4	
APLE-H4b	Perform Repair Hepair A1.4	- ,	1 25-Jul-16	25-701-16					Chating Benair A1.4	
APLE-H4c	Coating Repair A1.4	-	1 26-341-16	26-Jul-16		DC			A PASSESSED STATE A STATE AS A ST	
APLE-R4d	Backfill Repair A1.4		1 27-Jul-16	27-Jul-16	-86	20			deckill Nepall A. 4	
33										
APLN-C2	Excavate 10" JF from Sta 195+20 to 234+90 "On Hold"	4	4 03-Feb-16	08-Feb-16	-86	24	- Excavate	10" JF from Sta 197	to 234+90 *On Hold	
50										
ADV-5C	Install New 10" Piping @ DV-5 & New Vault V-6	3	3-13-Jun-16	15-Jun-16	-85	25			Install New 10" Piping @ DV-5 & New Vault V-6	φ
ADV-5D	Backfill Valve Vault DV-5, V-6 & Piping	က	3 16-Jun-16	20-Jun-16		29		ľ	Backfill Valve Vaul DV-5, V-6 & Piping	
ADV-6D	Backfill Valve Vault DV-6, V-7 & Plping	6	3 21-Jun-16	23-Jun-16	-85	29				
ADV-7D	Backfill Valve Vault DV-7	2		27-Jun-16		25			■ Backfill Valve Vault DV-7	
90										
ADV-6C	Install New 10" Piping @ DV-6 & New Vault V-7	3	3 16-Jun-16	. 20-Jun-16	-85	<u> </u>			Install New 10" Piping @ DV-6 & New Vault V-7	1-1
ADV-7C	Replace 10" Pipe @ Valve Vault DV-7	2	2 21Jun-16	22-Jun-16					Replace 10" Pipe @ Valve Vault DV-7	
7.										
NPLN-M-RC	Repair Coating Repair (N.2.39, 2.38 LPD13) (C-463)	-	1 15-Jun-16	15-Jun-16		MC MC			Repair Coating Repair (N.2.39, 2.38 LPD13) (C-463)	(463)
NPLN-M-RD	Backfill Repair (N.2.39, 2.38 LPD13) (C-463)		1 16-Jun-16	16-Jun-16	-85 W	wc			Backfill Repair (N.239, 2.38 LFD13) (C-463)	
8										
APLN-12	Excavate 10" JF from Sta 550+00 to 623+15 *On Hold*	7	6 19-May-15 A 01-Feb-16	, 01-Feb-16	-85	PS	Ercavate 1	10" JF from Sta 550420 to	0 to 623+15 *On Hold"	
83										
NPLN-M-LC	Repair Coating Repair (N.2.40, LPD14) (C-463)	-	1 13-Jun-16	13-Jun-16	-84	MC O			depart coaling helper (N.C.40, LT U.4) (C.40)	
NPLN-M-LD	Backfill Repair (N.2.40, LPD14) (C-463)	-	1, 14-Jun-16	14-Jun-16	-	WC			Sackill repair (N. 2.40, LPU 14) (C-403)	
3										
ADV-4C	Replace 10" Pipe @ Valve Vault DV-4	2	2 08-Jun-16	09-Jun-16	-84	25		11	oplace 10" Hpe @ Valve Vault DV-4	
15										
APLN-HB07	Install New 10" Pipeline Primary Road Crossing at Rt 28 (Bore#7, 467+25 to	25 to 5	5 23-Nov-15	01-Dec-15	-84	3	Install New 10" Pipeline Primary Road Crossi	mary Road Crossing of R	28 (Bore#7, 467+25 to 469+75	
	469+75)								100000000000000000000000000000000000000	
APLN-HB08	Install New 10" Pipeline @ Gas Station/Strip Mail (Bore#8, 494+75 to 501+00)	001+00)	9 02-Dec-15	14-Dec-15	-84	25	Install New 10 Pribelling (a Gas	(a class crainovo	(Dotero, 494+73 to 501+00)	
55										
ADV.5A	Expansis Value Vaults DV-5 V-6 & Pining *On hold*	2	2 02-Jun-16	03-Jun-16	-84	195		Ť	ayate Valve Vaults DV-5, V-6 & Piping 'On hold	. Pg
1	TOWN BUILD TO THE THE THE TANK OF THE TANK	J								
ADV-6A	Excavate Valve Vaults DV-6. V-7 & Piping "On hold"	3	3 02-Jun-16	06-Jun-16	-82	25		1	Ercavate Valve Vaults DV-6, V-7 & Piping *Cn hold*	.pyo
	D. C.	'					1 200 0			
Actual Work	Critical Remaining Work			ğ.	Page 5 of 8		I ASK IIIIer: CII	IIcal.		

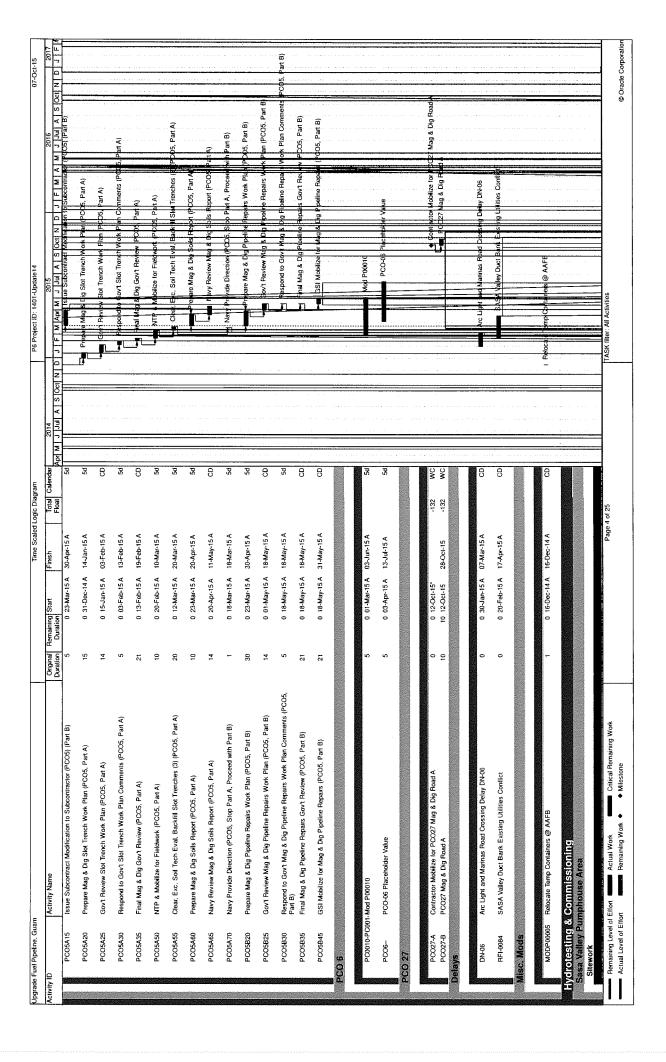
| ADV-7A Excavate Existing Valve Vault DV-7 ADV-7A Excavate Existing Valve Vault DV-7 ADV-4D Excavate Existing Valve Vault DV-7 ADV-4D Backtitt Valve Vault DV-4 G9 NPL-LPDV4-50 Install Piprig & valves in LPD-3 (North N2.25, LPD7) & Repair N2.24 70 NPL-LPDV4-50 Install Piprig & valves in LPD-4 (North N2.28, LPD8) NPL-LPDV4-50 Install Piprig & valves in LPD-5 (North N2.24, LPD8) NPL-LPDV4-50 Install Piprig & valves in LPD-5 (North N2.24, LPD8) NPL-LPDV4-50 Install Piprig & valves in LPD-5 (North N2.24, LPD8) APLW-CB10 Install New 10' Pipeline Primary Road Crossing at Rt 10A (Bore#10, 194-40 to 622+10) APLW-CB11 Install New 10' Pipeline Primary Road Crossing at Rt 10A (Bore#10, 194-40 to 197-50) APLW-CB11 Install New 10' Pipeline Primary Road Crossing at Rt 10A (Bore#10, 194-40 to 622+10) APLW-CB11 Install New 10' Pipeline Primary Road Crossing at Rt 10 (Bore#11, 124+10 to 237+75) APLW-CB11 Install New 10' Pipeline Primary Road Crossing at Rt 10A (Bore#11, 124+10 to 197-50) APLW-CB10 Install New Valve Vault V-5 (New Pipeline) AFVV7-20 FRP New Valve Vault V-5 (New Pipeline) AFVV7-30 Install Piprig Valve Vault V-5 (New Pipeline) AFVV7-50 Backtitl New Valve Vault V-7 (New Pipeline) AFVV7-50 Backtitl New Valve Vault V-7 (New Pipeline) AFVV7-50 Backtill New Valve Vault V-7 (New Pipeline) AFVV7-50 Backtill New Valve Vault V-7 (New Pipeline) AFVV7-50 Backtill New Valve Vault V-7 (New Pipeline) | Original Remaining Duratilos Duratilos | ## 16 | Finish 109Jun-16 109Jun-16 10Jun-16 10Jun-15 Total Calendra | Sep Oct Nov Dec Jan Feb Mar Apr May Jan Jan Ang Sep Oct Nov Heckarate Carding Vale Vanit DV-7 | Otte Carlot Reveale February Dec Jan Febrary Coarte May Sep Oct Nov Dec Jan Febrary Cavate Evalue State
|--|--|---|---|-------------------------|--|--|
| NV-7A NV-8A NV-8A NV-8D NV-1D-1-LPDV4-50 NV-8E NV-10 NV-10 NV-20 0 - 8 - 2 - 2 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3 | | | >>>> | Histall New 15' Pipeline Primary Road Crossing a End of the Mary Road Crossing a End of the Mary Road Crossing a Fertom Demolition of existing pl. & valve pit "On Hold" Exeavate for New Valve Vault V-5' On Hold" Exeavate for New Valve Vault V-5' Siab, walls & roof FFR New Valve Vault V-7' Siab, walls & roof FFR New Valve Vault V-7' Siab, walls & roof FFR New Valve Vault V-7' Siab, walls & roof FFR New Valve Vault V-7' Siab, walls & roof FFR New Valve Vault V-7' Siab, walls & roof FFR New Valve Vault V-6' Siab, walls & roof FFR New Valve Vault V | 47. 4. 8. Piping 47. 4. 4. 8. Piping 10. LPD-3 (North N2.25, LP 5 in LPD-5 (North N2.34, L4 5 in LPD-5 (North N2.34, L4 610 625+10) 94+40 to 197+30) 534+10 to 237+75 |
| N-4D N-4D N-4D N-4D N-4D N-4D N-4D N-4D | 0 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - | | | **** | imany Road Crossing & Primpry Paad Crossing & Well & Control on Hold: On Hold: walls & roof lab, walls | In LPD3 (North N2.25, LPI
In LPD-5 (North N2.34, Li
ection System at V-8
10 625+10)
94+40 to 197+30) |
| NV4D 1-LPDV3-60 1-LPDV4-50 1-LPDV5-50 NV-60 1-LPDV5-50 NV-60 NV-60 NV-60 NV-60 NV-70 NV-7 | - E G G G G G G G G G G G G G G G G G G | | | >>>> | imany Road Crossing & Primpiny Road Crossing & Mair On Hold: On Hold: walls & roof lab, walls & roof lab. | In LPD3 (North N2.25, LPI
In LPD4 (North N2.34, LB
5 in LPD-5 (North N2.34, LB
10 625+10)
94+40 to 197+30) |
| 1-LPDV3-80 1-LPDV4-50 1-LPDV5-50 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | >>>> | iman Road Crossing a Medium Primary Road Crossing a Medium Primary Road Crossing a Medium Primary Road Crossing a Notice a roof lab, walls & roof lab, walls | In LPD-3 (North N2.25, LPI In LPD-4 (North N2.24, LP ecton System at V-8 94+40 to 197+30) |
| PL-LPDV3-60 PL-LPDV4-50 PL-LPDV5-50 PL-LPDV5-50 PL-LPDV5-50 PL-LPDV5-50 PL-LPDV5-50 PL-LPDV5-50 PL-LPDV5-50 PL-LPDV5-50 PL-LPDV4-50 PL-LPDV5-50 PL-LPDV4-50 PL-LPD | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | >>>> | Iman Road Crossing & Primpry Road Crossing & Mdr. On Hold: walls & roof lab, walls & roof lab. | in LPD3 (North N2.28, LP) s in LPD-5 (North N2.34, LP) s in LPD-5 (North N2.34, LP) section System at V-8 section 5 (North N2.34) 94+40 to 197+30) |
| 1-L-PDV-5-50 1-L-PDV5-50 1-L-P | 2 - 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | >>>> | imany Road Chassing & Primpiny Road Chassing & Mar. On Hold: walls & roof lab, walls & roof lab. | m at \(7+30) |
| 1-LPDV5-50 | 20 20 20 20 20 20 20 20 20 20 20 20 20 2 | | | >>>> | iman Road Crossing F
Primary Road Crossing &
Md* On Hodd*
On Hodd*
walls & roof
lab, walls & roof | 7+30) |
| N-8E 11N-1809 11N-CB10 | 1 - 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | >>>> | innan Road Cossing Primary Road Crossing No Primary Road Cross On Fold: walls & roof Itab, walls & roof Itab, valls & roof IV-6 (New Pippline) | m at \7+30) |
| VVE-50 VVF-50 | - ro ro s ros s s s s s s s s s s s s s s | | | **** | innan Road Orossing Primary Road Crossing Adr. On Hold" walls & roof Itab, walls & coof | to 625+10)
94+40 to 197+30)
234+10 to 237+75) |
| ************************************** | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | | Install New 10* Pipeline Primary Road Crissing at Rt 9 (Borearg, 622+ Tristall New 10* Pipeline Primary Road Crossing at Rt 10A (Boreaft 10 Remove fence & Install temporary ence "On Hold" Excavate for New Valve Vault V-5" On Hold" Excavate for New Valve Vault V-7" On Hold" FRP New Valve Vault V-7" On Hold" FRP New Valve Vault V-7" Stab, wall & roof FRP New Valve Vault V-7" Stab, wall & roof FRP New Valve Vault V-7" Stab, wall & roof FRP New Valve Vault V-7" Stab, wall & roof FRP New Valve Vault V-7" On Hold" FRP New Valve Valve V-7" On Hold" FRP New Valve Valve V-7" On Hold" FRP New Valve Valve V-7" On Hold" FRP New Valve V-7" On Hold" FRP New Valve Valve V-7" On Hold" FRP New Valve V-7" On | 10 625+10)
94+40 to 197+30)
234+10 to 237+75) |
| ************************************** | r r r r r r r r r r r r r r r r r r r | | | | Install New 17' Pipeline Primary Road Cossing at Rt 96 (Bore#10, E22+ Install New 10' Pipeline Primary Road Crossing at Rt 104 (Bore#10, Eacavae for New Valve Valt V-5' On Hold' Excavae for New Valve Valt V-5' On Hold' Excavate for New Valve Valt V-7' On Hold' Excavate for New Valve Valt V-7' On Hold' ETP New Valve Valt V-7' Siab, wall & not ETP New Valve | lo 625+10)
94+40 to 197+30)
234+10 to 237+75 |
| LIA-CB10 LIA-CB11 VS-05 VS-10 VS-20 VS-20 VV7-20 VV7-30 | v v v v v v v v v v v v v v v v v v v | | | >>>> | Remove fence & install temporary lence "On Hold" Pentium Demolition of existing pl. & valve pil "On Hold" Excavate for New Valve Vault V-5" COn Hold" Excavate for New Valve Vault V-7" COn Hold" FRP New Valve Vault V-7" Con Hold" FRP New Valve Valve Vault V-7" Con Hold" FRP New Valve Valve Vault V-7" Con Hold" FRP New Valve Valve Vault V-7" Con Hold" FRP New Valve Valve Valve V-7" Con Hold" FRP New Valve Valve Valve V-7" Con Hold" FRP New Valve Valve Valve V-7" Con Hold" FRP New Valve Valve Valve Valve V-7" Con Hold" FRP New Valve Valve Valve Valve V-7" Con Hold" FRP New Valve Valve Valve Valve Valve V-7" Con Hold" FRP New Valve Valve Valve Valve Valve Valv | 94+10 to 237+75) |
| LIA-CB11 VG-05 VG-05 VG-10 VG-15 VV-20 VV7-20 VV6-20 VV6-20 VV6-20 VV6-30 VV7-30 VV7-30 VV7-30 VV7-30 VV7-30 | 8 2 2 2 2 2 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | | | | Femove lence & install temporary ence "On Hold" Perform Demolition of existing pl. & valve pit "On Hold" Frowards for New Valve Vault V-7 "On Hold" FRP New Valve Vault V-7 "On Hold" FRP New Valve Vault V-7 "On Hold" FRP New Valve Vault V-7 stab, wallt & roof FRP New Valve Vault V-7 stab, wallt & roof FRP New Valve Vault V-7 stab, wallt & roof FRP New Valve Vault V-7 stab, wallt & roof FRP New Valve Vault V-7 stab, wallt & roof FRP New Valve Vault V-7 "On Hold" | 294+10 to 237+75 |
| V5-05 V5-10 V5-10 V5-10 V5-20 VV7-20 VV7-20 VV6-20 VV6-30 VV6-50 VV7-30 VV7-30 VV7-30 VV7-30 | | | | | Remove lence & install temporary lence *On Hold** February Demolition of existing pl. & valve pit *On Hold** February New Valve Vault V-5. FEP New Valve Vault V-5. FEP New Valve Vault V-7 stab, wall & root FEP New Valve Vault V-7 stab, wall & root FEP New Valve Vault V-7 stab, wall & root FEP New Valve Vault V-7 stab, wall & root FEP New Valve Vault V-6 stab, walls & root FEP New Valve Vault V-6 stab, walls & root FEP New Valve Vault V-6 stab, walls & root FEP New Valve Vault V-6 stab, walls & root | |
| V45-65 V45-10 V45-10 V45-10 V47-10 VV7-20 VV7-20 VV6-50 VV6-50 VV7-30 VV7-30 VV7-50 | | | | | Fembre faince & install temporary lence *On Hodd* Penfarm Demoklino of a stating ple & valve pit *On Hodd* Facavate for New Valve Vault 4-5** On Hodd* FEP New Valve Vault V-5** On Hod* FEP New Valve Vault V-7** Stab, walls & roof FEP New Valve Vault V-7** Stab, walls & roof FEP New Valve Valve Vault V-6** Stab, walls & roof FEP New Valve Valve Vault V-6** Stab, walls & robf FEP New Valve Valve Vault V-6** New Pipeline) | |
| V5-10
VV5-15
V5-20
VV7-20
VV6-20
VV6-30
VV7-30
VV7-30
VV7-30
VV7-50 | | | | | Perform Demonlition of existing pl & valve pit 'On Fodd' Excavate for New Yalve Vault V-5' On Hold' Excavate for New Valve Vault V-7' On Hold' Excavate for New Valve Vault V-7' Stab, walls & roof FRP New Valve Vault V-7 Stab, walls & roof FRP New Valve Vault V-6 Stab, walls & roof FRP New Valve Vault V-6 Stab, walls & roof FRP New Valve Vault V-6 New Pipeline) FRP New Valve Vault V-6 New Pipeline) | |
| VV5-15
VV5-20
VV7-20
VV6-20
VV6-50
VV7-30
VV7-30
VV7-50 | | | | | FRO New Asive Vaul 14.5 FRO New Yalve Vaul 14.7 FRO New Valve Vaul 14.7 'On Hod's FRO New Valve Vaul 14.7 'Stab, wall' & roof FRO New Valve Vaul 14.7 stab, wall' & roof FRO New Valve Vaul 14.5 stab, wall' & roof Install Ploing Valve Vaul 14.6 New Pipeline) | |
| VV7-10
VV7-20
VV6-20
VV6-50
VV7-30
VV7-50
VV7-50 | | | | | Excava | |
| VV7-26
VV6-20
VV6-30
VV7-30
VV7-50
VV7-6-10 | | 19-Nov-15
07-Dec-15
21-Dec-15 | | | | |
| VV6-20
VV6-30
VV7-30
VV7-50 | | 07-Dec-15
21-Dec-15
29-Dec-15 | | | FRP New Valve Vault V-6 slab, walls & rob1 Install Piping Valve Vault V-6 (New Pippline) Backlik New Vault V-6 | |
| VV6-30
VV6-50
VV7-30
VV7-50
VV7-50 | יט | 21-Dec-15
29-Dec-15 | | | Install Piping Valve Vault V-6 (New Pipeline) | |
| VV6-50
VV7-30
VV7-50
VV6-10 | ຄເ | 21-Dec-15
29-Dec-15 | | | Backfill New Valve Vault V-6 | |
| VV7-30
VV7-50
VV6-10 | | | r-Dec-15 | | | |
| VV7-30
VV7-50
VV6-10 | 7 | 43-Dec-13 | | | | |
| VV7-50
VV6-10 | 47 | 5 07-Dec-15 11 | 11-Dec-15 | 4.
B | + Install Piping Valve Vault V-7 (New Pipelino | |
| VV6-10 | 64 | | | 28 | Backfill New Valve Vault V-7 | <u> </u> |
| | | | | | | |
| The second secon | 2 | 2 19-Nov-15 20 | 20-Nov-15 | -41 WC | Excavate for New Valve Vault V-6 "On Hold" | |
| 77
NPL-LPDV5-20 FRP LDP5 Vault slab, walts & roof | 10 | 6 27-Aug-15 A 12 | 12-Oct-15 | -30 WC | REMINISTRATION OF THE PROPERTY | |
| | | | : ! | | 4.77 000 | |
| | | 14-Oct-15 | 29-Oct-15 | | FHY LUPS Vatifit stab, walls & root | |
| NPL-LPUV4-2U FRP LDP4 Vaurt Slab, waits & root NPL-LPUV2-20 FRP LDP2 Vauft slab waits & root *On Hold* | | 10 02-Nov-15 01 | 13-Nov-15
01-Dec-15 | op op | FIG. LDP2 Vault slab, walls & roof "On Hold" | |
| | | | | | Backfill LPD 2 Vault | |
| | 2 | | | | Install Piping & valves in LPD-2 (South N1.12, LPD6) | |
| 78 | | | | | | |
| SVPH830 Tie-in piping to existing pump room for Pipeline P1 (North) | 5 | 5 06-Jun-16 10 | 10-Jun-16 | -30 5d | Tie-in piping to existing pump room for Pipe | mp room for Pipeine P1 (North) |
| 79 NPL-LPDV6-20 FRP LDP6 Vault slab, walls & roof | 10 | 1 01-Sep-15 A 01 | 01-Oct-15 | -28 WC | FRIP LDF6 Vault stab, walts & roof | *************************************** |
| | | | | | | |
| NPL-LPDV4-40 Install Piping & valves in LPD-4 (South N1.24, LPD8) | 7 | 2 30-Sep-15 A 19-Nov-15 | | -24 5d | (Install Piping & valves in LPD-4 (South N1.24, LPD8) | |
| NPL-LPDV4-30 Backfill LPD 4 Vault 81 | 2 | 2 16-Nov-15 17 | 17-Nov-15 | -22 WC | ■ Backfill LPD 4 Vault | |
| Actual Work | | | Page 7 of 8 | of 8 | If I I I I I I I I I I I I I I I I I I | |
| Actual Work Critical Remaining Work | | | after. | 0 0 | I ASN HIRT CHIRAL | 1 |

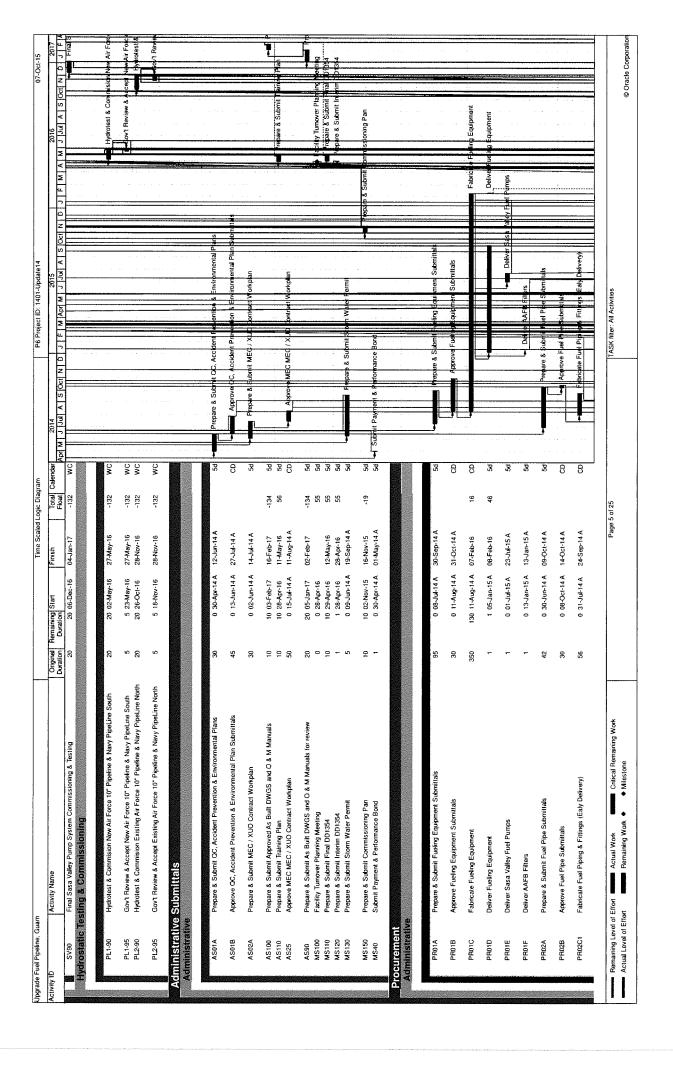
Activity ID PROZE Fabricate SASA Valley Pipe Spools 'On hold' PROZE PRO	Organal Remaining Start	ar-15 re-15	Finish Total Calendar Side Sep	
Fahrcate SASA Valley Pipe Spools "On hold" Pepare SASA Valley Pipe Spools "On hold" Pepare & Submit Commissioning Pan	Duralic S		5 5 5	Sep Oct Nov Dec Jan Feb Mari Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mari Apr May Jun Jul Aug Sep Oct Nov Dec Jan Peb Spools "On hold Polation of Submit Commissioning Pan Install Piping & valves in LPD-3 (South N1 20, LPD7) (Relocated) Install Piping & valves in LPD-3 (South N1 20, LPD7) (Relocated) Mag & Dig for Repairs (DV-3) (C-463) (PCO5) "On hold PCO-004 Perform Repairs (DV-3) (C-463) Repair Coating Repairs (DV-3) (C-463) Repair Coating Repairs (DF1, DV2, N1.30-N1.35) (C-462) Repair Coating Repair (N1.27, LPD10) (C-461) Repair Coating Repair (N1.27, LPD10) (C-461) Repair Coating Repair (N1.27, LPD10) (C-461)
1159 1159 1159 1159 1154-VB 1154-VB 1154-VB 1154-VB 1154-VB 1154-VB 1154-VB 1154-VB 1154-VB				Install Piping & valves in LPD-3 (South NI.) Install Piping & valves in LPD-3 (South NI.) Backtill LPD-3 Vault Repair Coating Repairs (DV-3) (C-463) (PCCIS) "On the Perform Repairs (DV-3) (C-463) (PCCIS) "On the Perform Repairs (DV-3) (C-463) (PCCIS) "On the Perform Repairs (DV-3) (C-463) (PCCIS) "Eacktill Repairs (DV-3) (C-463) (PCCIS) "Eacktill Repairs (DV-3) (C-463) (PCCIS) "Eacktill Repair (RIL-2', LPD10) (C-461) (PCCIS) "Eacktill LPD-6 Vault (RIL-2', LPD10) (C-461) "Repair Coating Repair (NI,2', LPD10) (C-461) "Eacktill Repair Coating Repair (NI,2', LPD10) (C-461) "Eacktill LPD-6 Vault (NI,2', LPD-6 Vault (NI,2', LPD-6 Vault (NI,2', LPD-6 Vault (NI,2', LPD-6 Vault (NI,2', LPD-6 Vault (NI,2', LPD-6 Vault (NI,2', LPD-6 Vault (NI,2', LPD-6 Vault (NI,2', LPD-6 Vault (NI,2', LPD-6 Vault (NI,2', LPD-6 Vault (NI,2', LPD-6 Vault (NI,2', LPD-6 Vault (NI,2', LPD-6 Vault (NI,2', LPD-6 Vault (NI,2', LPD-6 Vault
S150 LE-LVD				Hepaire & Submit Commissioning Pann Hackfill LPD 3 Vault Mag & Dig for Repairs (DV-3) (C-463) (PCO5) 'On It Perform Repairs (DV-3) (C-463) Hackfill Repairs (DV-3) (C-463) Backfill Repairs (DV-3) (C-463) Backfill Repairs (DV-3) (C-463) Hackfill Repairs (DV-3) (C-463) Repair Coating Repairs (DF, DV2, N1.30-N1.35) (C-46) Repair Coating Repairs (DF1, DV2, N1.30-N1.35) (C-46) Repair Coating Repairs (DF1, DV2, N1.30-N1.35) Hepair Coating Repair (N1.27, LPD10) (C-461)
LS-K-LC LS-M-VA LS-M-V	2			Install Piping & valves in LPD-3 (South Nu.) Backfill LPD 5 Vault Mag & Dig for Repairs (DV-3) (C-463) (PCC5): On the Perform Repairs (DV-3) (C-463) (PCC5): On the Perform Repairs (DV-3) (C-463) Repair Coaling Repairs (DV-3) (C-463) Backfill Repairs (DV-3) (C-463) Backfill Repairs (DV-1) (C-463) Repair Coaling Repairs (DF1, DV2, N1.30-N1.35) (C-46) Repair Coaling Repairs (DF1, DV2, N1.30-N1.35) Repair Coaling Repairs (DF1, DV2, N1.30-N1.35)
IS-K-LC IS-K-VA IS-L-VA IS-L-VA IS-M-VA			Mag & Dig for Repairs (DV-3) Vault Mag & Dig for Repairs (DV-3) Vault Perform Repairs (DV-3) Variet	
LS-F-VC LS-F-VC LS-F-VC LS-F-VC LS-F-VC LS-F-VC LS-F-VC LS-F-VC LS-F-VC LS-F-VC LS-F-VC LS-F-VC LS-F-VC LS-F-VC LS-F-VC				Mag & Dig for Repairs (DV-2) Perform Repairs (DV-2) Repair Coating Repairs (DV-3) Backfill Repairs (DV-3) Backfill Repairs (DV-3) Repair Coating Repair (M1.27) Repair Coating Repair (M1.27)
IS-K-LC IS-K-VA IS-L-VD IS-K-VD			Mag & Dig for Repairs (DV-3) Perform Repairs (DV-3) Backfill Repairs (DV-3) Backfill Repairs (DF-1) Backfill LPD 6 Vault Repair Coating Repairs (
TS-K-LC I-S-LVC I-S				Repair Coating Repairs (10/2) Backtill Repairs (10/2) Backtill Repair (10/2) Repair Coating Repairs (10/2) Repair Coating Repairs (10/2)
TS-K-LC TS-LVC TS-LVC TS-LVC TS-LVC TS-LVC TS-LVC TS-LVC				Hepair Coating Repairs (PV-3) Backtill Repair (N1.27) Backtill LPD 6 Vault Repair Coating Repairs (PR-3) Repair Coating Repairs (PR-3)
LS-K-LC LS-LVC LS-LVC LS-LVC LS-LVC				Backilli Ropairs (DF1, 1877) Backilli LPD 6 Vault Repair Coating Repairs
LS-K-LD LS-K-LD LS-K-LD				Backill LPD 6 Vault Repair Coating Repairs Repair Coating Repair
LS-K-LC				Repair Coating Repairs
7.3-K-LC				Repair Coating Repairs
JZ-X-5Tc				Repair Coating Repair (
1S-K-LC				Repair Coating Repair (
58				
PR03C Fabricate Long Lead Electrical Equipment				
SVEG410 Install new Transformwer T-3		29-Jan-16 01-Feb-16	0 5d	1
				Sd rule of the first most a most to vious
SVEG480 Pull & Teminate power wre from VFDs to pumps SVEG480 Pull & Teminate control wire from VFDs to numes	15 15 15 16 16 15 16 16 16 16 16 16 16 16 16 16 16 16 16	15: 16-Mar-16 05-Apr-16 15: 06-Apr-16 26-Apr-16	0 2	
	1 1 28-		20	Sasa Valley Complete

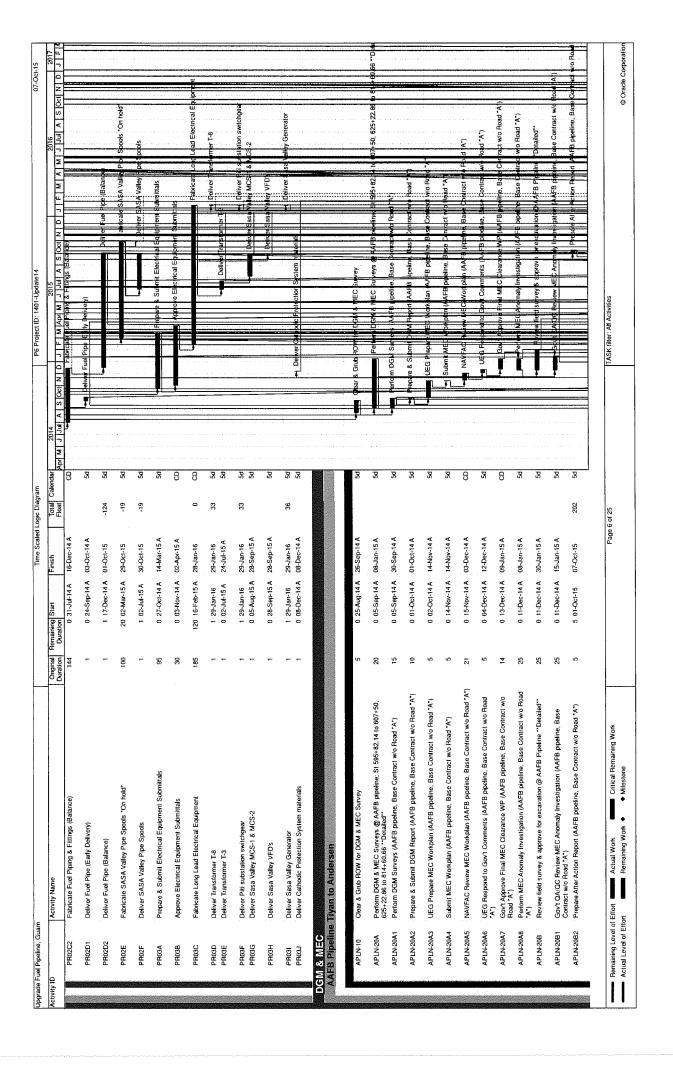




Activity 1D	Activity Name		Remaining Start Finish	Total	Calendar	2014		2015			
		Duration			April	J Jul A S	Octi N D J F	M April M July A	A S Oct N D	FMAM	J Jul A S Oct N
PC03Z2	Gov't Review DRAFT PC-03 Final DGM Report (PCO3)		0 15-May-15.A 29-May-15.A	-	8			Gevt R	HAKET PC 103 F) 	F
PCO3Z3	Respond to Gov't Comments Final DGM Report (PCO3)	æ	0 29-May-15 A 29-May-15 A	5.A	25			Pespond t	Respond to Gou't Comments F	ients Final DGM Medort P	PCO3)
PC03Z4	Gov1 Approve Final DGM Report (PCO3)	14	0 29-May-15 A 29-May-15 A	5.A	33			- Govt Approve	rove - rinal DGM Report (PCO3)	м (РСОЗ)	
PCO 4											
PCO4_1	Gov't Issue RFP for MEC Clearance Tiyan to Airport (1+00 to 167+00) (To be relearmined)	0	0 29-May-15 A 29-May-15 A	5 A	<u>5</u> 2			Gov1 Issue RPP	Or NEC	Clearance Tryan Mirpo	ort (1+00 to 167+00) (
PC04_2	Gov1 Issue RFP for MEC Clearance GIAA Airport (To be determined)	0	0 29-May-15 A 29-May-15 A	5.A	75			Govt Issue HFP	, o	Gearance GIA, in ot	(To be determined)
PCO4_3	Gov't Issue RFP for MEC Clearance Airport to Swamp Rd (189+00 to 405+50) (To be determined)	0	0 29-May-15 A 29-May-15 A	5.A	PS S			Govt Issue RFP	2	Clearance Airport to Swe	amp Rd (189+00 tb 40
PC04_4	Gov't Issue RFP for MEC Clearance PCO3 Swamp Rd to Rt 9 & (405+50 to 624+56) & SASA Valley Duct Bank (To be determined)	0	0 29-May-15 A 29-May-15 A	5.A	ß			Gov't Issue RFP	O ME	Clearance PCC Svam	np Rd ta Rt 9 & (4(5+50 to 624+50)
PCO4A10	Price RFP (PCO4) (DURATION TO BE DETERMINED)	0	0 30-May-15 A 01-Oct-15	5 527	8				b de Habita	CO4) (DUP ICN T	TO BE DETERMINED
PCO4A20	Negotiate / Issue RFP (PCO4) (DURATION TO BE DETERMINED)	0			8				/ etales	ô	I (
PCO4A30	Issue Contract Mod (PCO4) (DURATION TO BE DETERMINED)	0			8				Saula Centr	t Mod (PC) D	PATION TO BE DETE
PCO4B10	Submit Work Plan (PCO4) (JURAI ION TO BE DE LEMMINED) Government Review/ Acceptance Work Plan (PCO4) (DURATION TO BE GOVERNMENT	0 0	0 01-Oct-15 01-Oct-15 01-Oct-15	5 527	3 8					Review/ Act of the	I
PCO4B30	Contractor review, revisions and corrections Work Plan (PCO) DURATION TO BE DETERMINED	0	0 01-Oct-15 01-Oct-15	5 527	9					riew, revisions and	corrections Work Plan
PCO4840	Arromaly Investigation Work Plan (Final Rev1 Signed) (PCO) DURATION TO BE DETERMINED	0	0 01-Oct-15 01-Oct-15	5 527	8				Automay Inc	stigation Wink Plan	(Final Rev1 Signad)
PCO4C10	Start Commuty Outreach / Installation Commanding Officer (ICO) Notification (PCO) to IRATION TO RE DETERMINED	0	0 01-Oct-15 01-Oct-15	5 527	8	-			Start Committee	ity Outreac Tristal	altation Commanding O
PCO4D10	Performance (PCO4) (DURATION/SEQUENCE TO BE DETERMINED)	0	0 01-Oct-15 01-Oct-15	5 527	8		-		The state of the s	Clearance (TCD+)	(DURATION/SECTENCE TO BE
PCO4020	Prepare Anomily Investigation Report (PCO) DURATION TO BE DETERMINED	0	0 01-Oct-15 01-Oct-15	5 527	8				Prepare Anem	nly investig by Fiet	port (PCO) DURATION
PCO4D30	QA/OC Anomly Investigation Report (PCO) DURATION TO BE DETERMINED	0	0 01-Oct-15 01-Oct-15	5 527	8				DAVOC Anom	omly investigation Rep	port (PCO) DURATION
PC04E10	KO issue leiter reclassifying site as low probability (PCO) DURATION TO BE DETERMINED	0	0 01-Oct-15 01-Oct-15	5 527	8				\$ CO Y	ar reclassif y ite	as low probability (PCD)
PCO 5											
PCO5-	Suspension of Navy Pipeline Work per Ser RF-150011	9	0 20-Nov-14 A 12-Dec-14 A	4 A	PS		www.madsng	n.of Navy Proeline Work	rk per Ser PF-1150011		
PC05-A	PCO-05 Placeholder Value Part A (Mod P000004)	ĸ	0 31-Dec-14 A 20-Apr-15 A	5 A	25		l	CO-05 Placehol	On Value Part A II	pod P0000d Pot	
PC05-B	PCG-05 Placeholder Value Part B (Mod P000007)	S	0 31-Dec-14 A 20-Apr-15 A	5.A	- PG			CO-05 Placehok	er Valke Part B (Aod P0000 P	
PC05-10	Suspension of Navy Pipeline Work per Ser RF-150013	чs	0 12-Dec-14A 12-Dec-14A	4 A	25		Suspens	n;of Nacy P neline Work	irk per Ser FF-1500103		
PCO5A02	Govi Issue Mod P0004 for PCO5 (\$121,375)	-	0 11-Dec-14 A 11-Dec-14 A	4 A	25		Govtils	Mod P0004 or PCO5 (\$	(\$121,875)		
PCO5A04	Price PCO 5	8	0 12-Dec-14A 18-Dec-14A	4 A	25		d epide	. Ç.			
PCO5A05	Issue Subcontract/NTP to Subcontractor for Work Plan	S	0 19-Dec-14A 30-Dec-14A	4 A	94		anss:	incontract/NTP to Subco	ntactor for Work	Plan	
PCO5A10	Gov't Award PCO 5 (Parl B)	E	0 19-Dec-14 A 23-Mar-15 A	5 A	G			Gov t Averal PCO 5	5 (Part B)		
Remaining Level of Effort	of Effort Tarmen Actual Work			Page 3 of 25			TASK filte	TASK filter: All Activities			







			•	4000	Colondar	200.0		415			2	
	Activity Name	Original Re Duration	Duration Start		Float	April July A Is	S Oct N D J F	M April A JUST	A S Oct N D	JFMAM	J Jul A S loct	z
APLN-2083	Submit After Action Report (AAFB pipeline, Base Contract w/o Road "A")		ct-15	08-Oct-15	202 5d				1	=	e e	
APLN-20B4	NAVFAC Reclassity as "LOW MEC Probability" (AAFB pipeline, Base Centract	2	0 16-Jan-15 A 28	28-Jan-15 A	56		\$ •	AC Reciassify as	LOW NED Potabili	M AAFB pipe me	lase Contract w/o	- 8
APLN-20B5	wo nead in) Contractor Cleared for Excavation (AAFB pipeline, Base Contract w/o Road	-	0 29-Jan-15 A 29	29-Jan-15 A	PS		<u> </u>	mac or Cleared for E	xcavation (AAFB pip	Base Courre	w a Road "A")	
APLN-21A1A	Perform DGM Survey (AAFB pipeline, (Arckight Blvd)	-	0 15-Oct-14 A 15	15-Oct-14 A	56		H Perform DG 1 S	Key AAFB pipeline.	(Archight Blidd			
APLN-21A3	UEG Prepare MEC Workplan (AAFB pipeline, Base Contract Road "A")	ĸ	0 15-Jun-15 A 19	19-Jun-15 A	p ₅	-			S Prepare MEC Work	M AAFB per line	Base Contract Rea	-
APLN-21A4	Submit Mag & Dig Workplan (AAFB pipeline, Base Contract Road "A")	2	0 19-Jun-15 A 19	19-Jun-15 A	33			3 1	mit Mag & Dg Workp	em (AAFB pipe ine.	3ase Contract Road	*
APLN-21A5	NAVFAC Review Mag & Dig Workplan (AAFB pipeline, Base Contract Road "A")	4	0 19-Jun-15 A 06	06-Jul-15 A	8			Ì	AVEAC 3eview Mag &	Dig Workplay (And	B pipeline, Base C	- E
APLN-21A8	Perform Mag & Dig Anomaly Investigation & Exc Vault V-8 (AAFB pipeline, Pase Contract Road "A")	s	0 27-Jul-15 A 06	06-Aug-15 A	99				PeromiNa & Dig	Amorgaly Investiga	or & Exc Vault VB	₹
APLN-2181	Court Od/Cheriew Mag & Dig Anomaly Investigation (AAFB pipeline, Base Contract Road Farth	7	0 19-Aug-15 A 15	19-Aug-15 A	PS.				→ Gavr DA/Mad Rev	Meg & De And	naly Investigation (¥.
APUN-21B2	Prepare Atter Action Report (AAFB pipeline, Base Contract Road "A")	Ŋ	5 01-Oct-15 07	07-Oct-15	202 5d				Prepare Af	3	AFB pipeline, Base	8:
APLN-21B3 APLN-21B4	Submit After Action Report (AAFB pipeline, Base Contract Road "A") NAVFAC Reclassify as "LOW MEC Probability" (AAFB pipeline, Base Contract Boad "A")	- ις	ď	08-Oct-15 19-Aug-15 A	202 5d				NAVEAC BELIASE	Action Her 1 (A	re pipeline, Base ropability" (AAFB.p	ą į
APLN-21B5	Contractor Cleared for Excavation (AAFB pipeline, Base Contract Road "A")	-	0 19-Aug-15 A 19	19-Aug-15 A	25				- Con racco Oceane	d or Excava n (A	FB pipeline, Base	Ą
NPLS-01A	Perform DGM & MEC Survey @ Navy Pipeline Repairs "Combined with	15	0 29-Sep-14A 17	17-Mar-15 A	WC			Perferm DGM &	EC Sulvey @ Navy	Figeline Rep. 's **	ornbined with SAS	:
NPLS-01B	SASA*** Review field survey & approve for excavation @ Navy Pipeline Repairs	52	0 20-Mar-15 A 31	31-Mar-15 A	\$			Tev ev field su	rvey & approve for exc	evation @ Nwy 5	oe ine Repairs **Co	Ê
PEDRIOA	"Combined with SASA" Perform DGM & MEC Survives@ duct hank St 29±00 to St 80±00	τ̃		27-Mar-15-4	OM			Hedom DGM &	MEC Survey	back: St. 29 000	S. 80+00 **Comb	<u> </u>
	*Combined with SASA**	2										
PEDB10B	Review field survey & approve for excavation @ ductbank "Combined with SASA" "On Hold"	53	5 30-Mar-15 A 07	07-Oct-15	352 5d				el lew le	و الا	lor excavation @ d	2
SVDM010A	Perform DGM & MEC Surveys @ Sasa Valley "Detail Added"	15	0 22-Sep-14A 23	23-Mar-15 A	33			Perform DGM &	MEC Sinveys @ Sas	y ⊪ yα félle∧		
SVDM010A1	Perform DGM Surveys (BaseContract SASA, DB, NPL)	15	0 20-Oct-14 A 01	01-Nov-14 A	50		Perform DISM	ways (BalleContra	of SASA DB NPL)			
SVDM010A2	Prepare & Submit DGM Report (Base Contract SASA, DB, NPL)	10	0 02-Nov-14 A 24	24-Nov-14 A	55		Prepara &	пип всим Верап (ase Contract SASA.			
SVDM010A3	UEG Prepare MEC Workplan (Base Contract SASA, DB, NPL)	ıc.	0 17-Nov-14 A 03	03-Dec-14 A	5 d		DEC ALCOHOLOGY	a MEO Workplan (8	ase Contract SASA.	() () ()		-
SVDM010A4	Submit MEC Workplan (Base Contract SASA, DB, NPL)	-	0 03-Dec-14 A 03	03-Dec-14 A	3		Surgar S	e Wortblan (Base C	ontract SASA DB, N			7. 1
SVDM010A5	NAVFAC Review MEC Workplan (Base Contract SASA, DB, NPL)	12	0 03-Dec-14 A 12	12-Dec-14 A	8		NAV E	www.wakpi	kplan (Base Con act SA	SALIDB, NP		-
SVDM010A6	UEG Respond to Gov1 Comments (Base Contract SASA, DB, NPL)	s	0 12-Dec-14 A 05	05-Feb-15 A	33			Respond to Cov1	wtComments (Easte Co	mact SASA DB	2	7
SVDM010A7	Gov'l Approve Final MEC Clearance WP (Base Contract SASA, DB, NPL)	41	0 05-Feb-15 A 19	19-Feb-15.A	G)		F	dvy Approve Final N	NEC Clesianos MP (Base Contrac SAS	, DB, NPL)	
SVDM010A8A	SVDM010A8A Perform MEC Anomaly Investigation (Base Contract Upper SASA, NPL)	52	0 17-Feb-15 A 06	06-Mar-15 A	35			Perform NEC Anon	aly investigation (Be	Contract type	ASA, NPL)	
SVDM010A8B	SVDM010A8B Perform MEC Anomaly Investigation (Base Contract DB MH10-MH23)	25	0 17-Feb-15 A 25	25-Mar-15 A	33			Perdm MECA	omal/ eve t pation	ase Contra 1 De	IH 10-MH23)	
SVDM010A8C	SVDM010ABC Perform Anormaly Investigation (Base Contract DB MH23-MH28)	25	0 30-Apr-15 A 05	05-May-15 A	Ρς.			P rform Ar	omaty Investigation	Tass Contra 1 Of	IH23-MH28)	
SVDM010B	Review field survey & approve for excavation @ Sasa Valley "Detail Added". On Hold"	52	25 01-Oct-15 05	05-Nov-15	332 5d				1	OHI SUVOY SUP	ove for excavation	6
Remaining Level of Effort	Elfort Actual Work Critical Remaining Work			Page 7 of 25	1.25		TASK filte	TASK filter: All Activities				II

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	Activity name	Original Duration	Duration	FIRST	Float	April J Juli A S Octi N	D J F M ApriM J Jul A S Oct	L M A M F M A M J	Jul A S Oct N
SVDM010B1A	Gov't QA/QC Review MEC Anomaly Investigation (Base Contract Upper SASA, NPI)		IF-15 A	20-Mar-15 A	3		Legit OK/QQ Heview M	nomety intestigati	
SVDM010B1B		2	0 26-Mar-15 A	27-Mar-15 A	PS .		MINION DA/DC Review MEC	Armedy breetigation (Fase Con	tract DB MH10-MH2
SVDM010B1C		52	25 01-Oct-15	05-Nov-15	, 5d			Gov't CD/OC:ReviewArth hay	Investigation (Base
CVDMOTORS	Presente After Action Deport (Base Contract SASA DB NDI)	u	5 06.Nov.15	13-Mov-15				Prepara Alter Action Report	Base Contract SASA
SVDM010B3	Submit After Action Benort (Base Contract SASA, DB, NPL)	,		16-Nov-15	177 5d			198 H	Base Contract SASA
SVDM010B4A		£,	< 4	24-Mar-15 A	٠ ٣		MAVEAD Reclassity as 1.0	W MEC Preparatity" (Bare contra	ct Upper SASA NPL
SVDM010B4B		ъ	0 30-Mar-15 A	04-Apr-15 A	pç		MANFAC Recassity as "Lo	OV MEC Notability" (Blise dontr	ract DB MH10MH2C)
SVDM010B4C	mnicronico) NAVFAC Reclassify as "LOW MEC Probability" (Base Contract DB	ιņ	5 06-Nov-15	13-Nov-15	, 5d			MAVE Reclassin as OW	OW MEC Probability* (P
					,				Į.
SVDM010B5A	 Contractor Cleared for Excavation (Base Contract Upper SASA, NPL) 	-	0 24-Mar-15 A	24-Mar-15 A	Σ.		Contractor Ceared To Live	Na on these Contract tope pADA,	Å, NTL)
SVDM010B5	SVDM010B5B Contractor Cleared for Excavation (Base Contract DB MH10-MH23)	-	0 04-Apr-15 A	04-Apr-15 A	8		Dortractor Disared for Exc	avation (Base Contract 0B W 110	D-IMH23)
SVDM010B50	SVDM010B5C Contractor Cleared for Excavation (Base Contract DB MH23-MH28) 'On Hold'	-	1 16-Nov-15	16-Nov-15	7 5d			- Contractor Cleared for E cav.	ation (Base Centract
Construction AAFB Pipeline Tiyan	onstruction AAFB Pipeline Tiyan to Andersen Abur Air Ence Bipeline								
Andersen AFB	ייייייייייייייייייייייייייייייייייייייי	Ī				2			
APLN-30	Remove Existing Aggregate Surface and Stockpile	8	0 02-Mar-15 A	27-Apr-15 A	2 5		Hemove Expling Aggre	eggle blumaker and Stoc offer	
APLN-J1	Prefabricate 10" JF from Sta 623+76 to 694	14	0 26-Jan-15 A	13-Mar-15 A	2d		Arcabicate 10" JF from Sta	628.476 to 1994	
APLN-11c	Coat Pipe welds 10" JF from Sta 623+76 to 694	12	0 28-Jan-15 A	20-Mar-15 A	29		- Loar Pige wads '0".JF hor	n S a 523+46 ttp 894	
APLN-12	Mag & Dig/Excavate 10" JF from Sta 623+26 to 694 (Mag & Dig per RFI#103 &	· 80	2 02-Apr-15 A	30-Oct-15	-144 5d			Vag & Dg Extravate 10" J from	om Sta 623+26 to 68
APLN-J3	Bed trench & Install 10" JF from Sta 623+26 to 694 (Per RFI#103&QA/QC)	-	1 06-Apr-15 A	02-Nbv-15	-138 5d			± -	от Sta 623+26tt 69
APUN-J4	Back(iil 10" JF from Sta 623+26 to 694 (On Hold Pending RFI#103)	13	4 13-Apr-15 A	06-Nov-15	-138 5d			Backfill o' JF from Stace3-2	26 to 694 (On Haldin
APLN-19a	Replace asphalt sta 657+75	23	2 09-Nov-15	10-Nov-15	166 50			Recia s	
APLN-K1	Prefatxicate 10" JF from Sta 733 to 814+60	17	0 29-Sep-14 A	29-Jan-15 A	ß		P thousand JF rom Sta 733 to	05	
APLN-K1c	Coat Pipe welds 10" JF from Sta 733 to 814+60	14	0 13-Oct-14 A	25-Feb-15 A	Σ,		Manual Ripe welds 10" JF from St	37 0 57 + 30	
APUN-K2	Excavate 10" JF from Sta 733 to 814+60 'Broken up due to Arc Light Delay	19	0 13-Feb-15 A	19-Mar-15 A	25		Excavata 10" JF from Str 7.	3. 0814+60 Broken Locke o Ar	rc Light Delay
APLN-K2a	Excavate 10" JF from Sta 733 to 795+73	7	0 13-Feb-15 A	19-Mar-15 A	2d	-	Sycavate 10" JF from Ste 7"	S 0/95+13	
APUN-K2b	Excavale 10" JF from Sta 795+73 to 800+94	-	0 14-Mar-15 A	14-Mar-15 A	25		Convate 10" JF from Sta 79	5 - 73 to 800-54	
APLN-K2c	Excavate 10" JF from Sta 800+94 to 814+60	2	0 11-Feb-15 A	12-Feb-15 A	PS.		T Design 10' JF from Sta 800+3	4 814-61	
APLN-K3	Bed trench & Install 10" JF from Sta 733 to 814+60 "Broken up due to Arc Light	16	0 20-Feb-15 A	27-Mar-15 A	P5		Hear reach & Install to J	cm Sta 753 o 814-100 19 cen	up due to Arc Light
APLN-K3a	Delay Bed trench & Install 10" JF from Sta 733 to 795+73	-	0 16-Mar-15 A	27-Mar-15 A	33		Set reach & Install 10' U	ст 91а 783 0795+Z	
APLN-K3b	Bed trench & Install 10* JF from Sta 795+73 to 800+94	-	0 14-Mar-15 A	18-Mar-15 A	25		Per Total Install 10" Install 10" Install	20 8 ma 7 25 - 73 to 8 mg - 84	
APLN-K3c	Bed trench & Install 10" JF from Sta 800+94 to 814+60	-	0 20-Feb-15 A	26-Feb-15 A	2 9		Fire	T 9 ta 600 54 o 814 60	
Remaining Level of Effort	of Effort Actual Work Critical Remaining Work			Page	Page 8 of 25		TASK filter; All Activities		

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Activity ID	Activity Name	Original Re	Remaining Start	Firsh	Float	endar And M		2	CIOZ	2 1 12 120	LI IN VIN	I A I S I Dail	2 7 11
APLN-K4	Backfill 10" JF from Sta 733 to 814+60 'Broken up due to Arch Light delay		0 17-Mar-15 A	10-Apr-15 A					Habrill 10 11 from 8			Light delay	
APLN-K4a	Backtill 10" JF Irom Sta 733 to 785+73	5	0 17-Mar-15 A	10-Apr-15 A		72			Sackell 10" JF from S	a 715 to 785423			
APLN-K4b	Backfill 10" JF from Sta 795+73 to 800+94	-	0 14-Mar-15 A	10-Apr-15 A		28	-		- Sackell 10" JF from St	a 785+73 to 1909-9	76	1	
APLN-K4c	Backiil 10" JF from Sia 800+94 to 814+60	е	0 12-Mar-15A	20-Mar-15 A		8.			Backsis O' JF rom Sia	00-24 to 814460			
APLN-K5	install 10" JF cathodic protection from Sta 623+00 to 814+69	-	0 16-Mar-15 A	31-Aug-15 A		- PS			É	all C. UF canodic	ic protection from SI	Sta 623+00 to 814	
APLN-K9a		2		24-Nov-15	124	25				4	2	d A" sta 697+25 to	H 10. D0 + C
APLN-K9B APLN-K9C	Hoplace asphall at "New Ho A" sta 705+60 to 705+50 *On Hold". Replace asphalt at *New Rd A* sta 720+50 to 731+75	N N	2 25-Nov-15 0 08-Jul-15 A	30-Nov-15 16-Jul-15 A	124	X X			L L L L L L L L L L L L L L L L L L L	Ž	GA" STOR TO TO TO	3 !	
APLN-K9D	Replace asphalt at Arc Light Blvd sta 797+75	23	0 21-Mar-15 A	21-Mar-15 A		- 28			Repace asphalf at Arc L	ont Bivd sta W/H7		-	
APLN-K9e	Replace asphalt at Marianas Blvd sta 800+25	23	0 21-Mar-15 A	21-Mar-15 A		 			Tepace aspital at Maria	as Saversta med-2			
APUNLI	Prefabricate 10" JF from Sta 694 to 733 (Road "A") Pending PCO27 from Sta 696+25 to 711+25*	8	5 09-Apr-15 A	04-Nov-15	-147	<u>B</u>				Perabucate	JF Dm Sta	694 to 733 (Road "F	Pending Po
APLN-L1c	Coat Pipe welds 10" JF from Sta 694 to 733 (Road "A") "Pending PCO27 from Sta 684-25 to 711-25"	9	3 11-May-15 A	09-Nov-15	-147					Coll Page	IE JF II	Sta 694 to 733 (Ro	T'A'') 'Pend
APLN4.2	Excavate 10" JF from Sta 694 to 733 Road "A" 'Per PCO27 from Sta 698+25 to 711+25"	2	4 05-May-15 A	28-Oct-15	-142					The standard	Sta 194	to 733 Road "A" *P	PCC27 from
APLN-L3	Bed trench & finstall 10" JF from Sta 694 to 733 (Road "A") "Pending PCO27 from Sta 699,25 to 711+25"	-	1 11-May-15 A	10-Nov-15	-147	- 38					& Instal 101 F ror	om Sta 694 to 783	(Paal Ar) *P
APLN-L4	Backtill 10" JF from Sta 694 to 733 (Road "A") 'Pending PCO27 from Sta 698.25 in 711.25"	7	7 26-May-15 A	20-Nov-15	-147	 %				Back 10	JF 16 S a 694 1	4 to 733 (Road 'A")	nding PCO
APLN-Y	Replace Aggregate Surface	50	18 11-May-15 A	02-Jun-16	14	8					Į.	Aplace Aggregate	3.6
APLN-Z	Install Jet fuel pipeline caulion signs	5	5 02-May-16	06-May-16	41	38					TE SECOND	stall Jet fuel pipelire o	ion signs
APLN-A1	Ifyan Shaton to Route NEA APUNA1 Prefabricate 10" JF from Sta 1+00 to 100+00	17	0 20-May-15 A	28-Sep-15.A		MC MC				Pre-abicate 77 J	JF from Sa -00 to	to 100+00	
APLN-A1c	Coat Pipe welds 10" JF from Sta 1+00 to 100+00	17	0 22-Jun-15 A	30-Sep-15 A		% C		-	•	Control Cont	0" JF # cm Sia +(+00 to 100+00	
APLN-A2	Excavate 10" JF from Sta 1+00 to 100+00 'On Hold"	10	10 02-Nov-15	13-Nov-15	-128	wc				Excavil e 16		100 to 100+00 On	•
APLN-A3	Bed trench & Install 10" JF from Sta 1+00 to 100+00	(1 16-Nov-15	16-Nov-15	-128	O C				2	S Install 10 Fire	F from Sta 1+00 c 10	<u>8</u>
APLN-A4	backfill 10" JF from Sta 1+bb to 1004-00 Install 10" JF cathodic protection from Sta 1+00 to 194+55	₹ 4º	20 23-Nov-15 5 17-Nov-15	22-Dec-15 23-Nov-15	-132 75	% ×					or or		
APLN-A9a	Replace asphalt at Admr Sherman Rd (Sta 35+50)	2	2 30-Dec-15	31-Dec-15	66	Ŋ				-	minister Ac	- P-	()
APLN-A90	Replace asphalt at Airport Rd (Sta 9+50)	61 6	2 23-Dec-15	24-Dec-15	66	pg 7				2	ce aspent a himor	Import Rd (Sta 9+50)	•••
APLN-A9d	riepiace aspriari at Road near 3ta 28+00 Reolace aspriat 8ta 8t+00 to 55+50	N 61	2 28-Jan-16	29-Dec-15 05-Jan-16	66 66	8 R				7.0	ਹ ਫਿ	ta 51+00 to 55-90	
APLN-A9e	Replace asphalt sta 57+00 to 62+00	2	2 06-Jan-16	07-Jan-16	8	38				Ψ	a a	a 57+00 to 62+00	
APLN-A9f	Replace asphalt sta 65+50 to 93+50	2	2 08-Jan-16	11-Jan-16	66	B					a ona ta	65+50 to 93+50	
APLN-B1	Prefabricate 10" JF from Sta 100+00 to 194+55	91	6 17-Jun-15 A	14-Oct-15	-107	ر ×					m .	00+00 10 194+53	
APLN-B1c	Coal Pipe welds 10" JF from Sta 100+00 to 194+55	16	12 15-Jun-15 A	04-Nov-15	-101	O _M					etds 16 LF nem St	Sta 100+00 to 154+	v
APLN-B2	Excavate 10" JF from Sta 100+00 to 194+55 "On Hold"	10	10 16-Nov-15	01-Dec-15	-133	8					erio" Linform Sta 10	100+00 to 194+55	9
APLN-B3	Bed trench & Install 10" JF from Sta 100+00 to 194+55	- 5	1 02-Dec-15	02-Dec-15	-118	N K				Bee	ich & Kermin	F from Sta 100+00	8 8
APLN-89a	Replace asphalt, curb & gutter at Sta 188+50	<u>n</u> 04	2 25-Jan-16	26-Jan-16	251	2 3					splace asprait, cur	- 01	9
APLN-B9b	Replace concrete swale near Sta 178+25	2	2 21-Jan-16	22-Jan-16	129	<u>B</u>					eptade donciele sw	wale near Sta 178+	-
APLN-B9c Re	Replace concrete swale near Sta 194+50	2	2 27~Jan-16	28-Jan-16	129	2d					aplace confinetesy	swale near Sta 194	9
Librarie 10 10													
Remaining Level of Effort	el of Effort Actual Work Critical Remaining Work			Page	Page 9 of 25			TAS	FASK filter: All Activities				

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	Activity Name	Original Re Duration	Remaining Start Duration	rinish Hsinish	Total Calendar Float	Apr M J Jul A S Oct N	2015 D J F M Apri M J Jul	ul A S Oct N D J	2016 F M A M J Jul A S Oct	O N
APUN-D1	Prefabricate 10" JF from Sta 294+60 to 302+70	4	4 15-Oct-15	21-Oct-15	-107 WC			Bled Boul	0 JF 50h 3th 294+60 to 302+70	Ħ
APUN-D1c	Coat Pipe welds 10" JF from Sta 294+60 to 302+70	S	5 05-Nov-15	11-Nov-15	-97 WC			* * **	to JFf or Sta 294+60 to 3	2
APLN-D2	Excavate 10" JF from Sta 294+60 to 302+70 'On Hold'	-	1 02-Dec-15	02-Dec-15	-118 5d) T	Ξ	É
APLN-D3	Bed trench & Install 10" JF from Sta 294+60 to 302+70	-	1 03-Dec-15	03-Dec-15	-115 5d				The Sta 294	ğ <u>4</u>
APUN-D4	Backfill 10" JF from Sta 294+60 to 302+70	2	2 21-Jan-16	22-Jan-16	-132 WC			F	<u> </u>	0
APLN-D5	Install 10" JF cathodic protection from Sta 237+10 to 400+00	S	5 04-Dec-15	10-Dec-15					d Hou	
APLN-E1	Prefabricate 10" JF from Sta 304+05 to 326+40	15	15 22-Oct-15	13-Nov-15	-			P	5	,
APLN-£10	Coat Pipe welds 10" JF from Sta 304+05 to 326+40	4	4 16-Nov-15	19-Nov-15	>				J 104+05 (D	Į.
APLN-E2	Excavate 10" JF from Sta 304+05 to 326+40 "On Hold"	2	2 03-Dec-15	04-Dec-15					ŧ	
APLN-E3	Bed trench & Install 10" JF from Sta 304+05 to 326+40	-	1 04-Dec-15	04-Dec-15					The result of the second	
APLN-E4	Backfill 10" JF from Sta 304+05 to 326+40	4 (28-Jan-16					F mm Sta 326+70 to 20	
	Prelabricate to driftom Sta 325+70 to 400+60	7 9	12 10-NDV-13	03-Dec-15	701-					
APLN-11C	Coat right weeks to dir itom Sta 325+70 to 400+60	7 1	12 U4-DEC-13	C1-DAG-12						-
APLN-F2	Excavate 10" JF from Sta 326+40 to 400+00 "On Hold"	. ,	/ 0/-Dec-15	15-Dec-15						
APLN-13	Bed trench & Install 10" JF from Sta 325+40 to 400+00	- ;	1 22-Dec-15	22-Dec-15)0t-					
APLN-F4	Backfill 10" JF from Sta 326+40 to 400+00	٠	15 29-Jan-16	19-Feb-15						
APLN-F9a	Replace asphalt at Ududo High School (Sta 385+25)	2		02-Mar-16					}	
APLN-F9b	Replace asphalt sta 354+50	2		23-Feb-16						
APLN-F9c	Replace asphalt sta 372+00	63		25-Feb-16						
APLN-19d	Replace asphalt sta 3/2+50 to 3/6+00	∾;	2 26-reb-16	29-reb-16	DG 2/				. I rom Sta 400±00 to	6.115
APLN-G1	Prerabricate 10" JF from Sta 400+t01 to 456+15" On Hold	= :		18-Dec-15					de or IE from Sta 4m	-
APLN-G1c	Coat Pipe welds 10" JF from Sta 400+00 to 468+15	Ξ '	11 22-Dec-15	07-Jan-16	-				. 0	
APLN-G2	Excavate 10" JF from Sta 400+00 468+15 "On Hold"	,	7 21-Dec-15	30-Dec-15						ļ
APLN-G3	Bed trench & Install 10" JF from Sta 400+00 to 468+15	- :	1 08-Jan-16	U8-Jan-16					The Stady	
APLN-G4	Backfill 10" JF from Sta 400+00 to 468+15	4	14 22-Feb-16	10-Mar-16	>	-			57	3 0
APLN-G9a	Replace asphalt at Mepa St sta 486+00	5	2 06-Apr-16	07-Apr-16					The despited of west	
APUN-G9b	Replace asphalt at Hahasu Dr sta 437+50	2	2 15-Mar-16	16-Mar-16					The same as Social at Hands	
APLN-G9c	Replace asphalt at Kamute Loop sta 451+00	2	2 17-Mar-16	18-Mar-16					de da predi al Namini	F
APUN-G9d	Replace asphalt at Swamp Rd sta 405+50	2	2 11-Mar-16	14-Mar-16					Hardensonall at Swamp in	
APIN-H1	Prefabricate 10" JF from Sta 468+85 to 550+00 "On Hold"	14	14 21-Dec-15	11-Jan-16			<u> </u>		2400+001 314 400+00	
APLN-H1c	Coat Pipe welds 10" JF from Sta 468+85 to 550+00	13	13 12-Jan-16	28-Jan-16	-		ļ		THIS INSTITUTE OF THE PARTY OF	
APUNH2	Excavate 10" JF from Sta 468+85 to 550+00 "On Hold"	œ.	8 12-Jan-16	22-Jan-16			ļ		UII 314 400+02	Ħ
APLN-H3	Bed trench & Install 10" JF from Sta 468+15 to 550+00	-	1 29-Jan-16	29-Jan-16					Thou To Ol Mark	
APLN-H4	Backfill 10" JF from Sta 468+15 to 550+00	16	16 11-Mar-16	01-Apr-16	>		_		The state of the s	
APLN-H5	Install 10" JF cathodic protection from Sta 400+00 to 600+00	,	1 01-Feb-16	01-Feb-16					9	
APUN-H9a	Replace asphalt at Artero Dr sta 508+00	2	2 14-Apr-16	15-Apr-16						5
APLN-H9b	Replace asphalt at Chalan Lumasu Sta 529+00	81 (2 20-Apr-16	21-Apr-16					and the second state 476.7	u
APLN-H9c	Heplace asphalt sta 476+25	7	2 04-Apr-16	05-Apr-16)))
APLN-H9d	Replace asphalt sta 495+00 to 497+00	5	2 08-Apr-16	11-Apr-16					dspriant sta 450	
APLN-H9e	Replace asphalt sta 499+75 to 500+75	2	2 12-Apr-16	13-Apr-16					, 	Ε
APLN-H9f	Replace asphalt, curb & gutter at Sta 525+00	5	2 18-Apr-16	19-Apr-16					-	
APLN-11	Prefabricate 10* JF from Sta 550+00 to 623+15 *On Hold*	12	8 07-May-15 A	22-Jan-16	-95 Sd				Triangle of the control of the contr	
APUN-11c	Coat Pipe welds 10" JF from Sta 550+00 to 623+15	12	10 29-May-15 A	11-Feb-16	96-		-	1	Coat The Wids 10" JF from State	9 8
	-									
APUN-12	Excavate 10" JF from Sta 550+00 to 623+15 "On Hold"	7	6 19-May-15 A	01-Feb-16	-85 5d				Excaval of 10 Ffrom Sta 550+001	<u> </u>
APLN-13	Bed trench & Install 10" JF from Sta 550+00 to 623+15 'On hold'	-	1 29-May-15 A	12-Feb-16	ps 06-		•	-	Bed (Hylot) & Install 10" JF from S	St
APLN-14	Backfill 10" JF from Sta 550+00 to 623+15	15	12 10-Jun-15 A	19-Apr-16	-132 WC		,		The state of the s	Š
APLN-19a	Replace asphalt at "New Rd A" sta 594+00 to 595+25	61	2 20-Apr-16	21-Apr-16					Pertare asphalt at "New	1
APUN-196	Replace asphalt at Chalan Puti Tai Nobíu sta 616+00	2	2 10-May-16	11-May-16	56 54				eplace asphalt at Ch	1
APLN-19c	Replace asphalt at Chn Castro sta 563+00	2	2 26-Apr-16	27-Apr-16					in the place asphalt at Chyl	1
			-							
Remaining Level of Effort	Actual Work			Page	Page 10 of 25		TASK filter: All Activities			

Fig. 19 Fig. 20 Fig.	in the same of the						-Indept	2017	-	-	2015			
and a color forms of the color	Activity ID			raming Start	Finish	Total Float	And	A 14.1	z	F M And	CI NZ	O N ISOI S	2016 M i .! Lital	Ø.
and at colorate is serviced as a serviced a	APLN-19d			7~	1	98	138		F		E		ē	hait at Ohn Harla
And the strategy of the	APLN-19e	Replace asohalt at CHN Kareta sta 589+00 to 590+50	1 (4			F	3 29						Ř	Z Z
and a station of the state of t	APLN-19f	Replace asphalt at Hatsuho Rd sta 608+00	۰ ۵			95	75						Ě	ohalt at Hatsur
And a set a set of the control of th	APUN-199	Replace asphalt at Hatsuho Rd sta 609+50	5	2 06-May-		26	25						-	phalt at Hatsutto
Figure 1997 Comparison of the Comparison of	APLN-19h	Benjace asrokali at sta 561+00	٥	2 22-Anr-1		92	35		-				Hebace asp	Talt at sta 56th OC
Facility Facility	APUN-IM	Perform Archaeological Monitoring sta 597+50 to 602+50	-	0 17-Dec-			ß		ļ		F	hediogcal Monit	50 0 60	
1 200-015														
1	APLN-J5	install 10" JF cathodic protection from Sta 600+00 to 623+00	-	1 22-Dec-		62	3					Ţ	J. Cathodic	ion from Stars
10 of Financia Laboratory 10 of Financia Lab	Route 10A to	Route 16												_
### 10 Face of the face of t	APLN-C1	Prefabricate 10" JF from Sta 195+20 to 234+90	7	7 25-Jan-1		-89	B						1970 1970 1970 1970 1970 1970 1970 1970	Sta 195-20 (234-90)
Figure 10 1 1 1 1 1 1 1 1 1	APLN-C1c	Coat Pipe welds 10" JF from Sta 195+20 to 234+90	7	7 12-Feb-1		96-	8						ě	JF from Sia 19 +
Family 10 Fami	APLN-C2	Excavate 10" JF from Sta 195+20 to 234+90 "On Hold"	4	4 03-Feb-1		98	5						10.01	Sta 195-20 to 29
File (199 st) File (2015)	API N-C3	Red trench & tostall 10". IF from Sta 195+20 to 234+90	-	1 24-Feh-1		9,	×		_				20	10" JF (rbin Statists 20 to
The changes are the control from 36 t 195, 20 t 23 t 195 t 1	API NLCA	Description of the form Character of the post, on	. a	20. Apr. 4		133	. 3			_			¥	,
Paging ADA Residential Control	2012	Install 10" 15 authority and confidentian from Ota 105: 00 to 004: 00	3 7	100		2 6	2 3						1	o include
17 Politics Princip Radio Costang at R 2 February 2000-15 Gebins 1975 50	S N I I V	Declare sentials in 230,00	- c	1000		3 5	3 3						5	shall sta 230
10 Popula NOA East (Bazart 1, 10 25 10 10 25 10 25 10 25 25 25 25 25 25 25 2	AFLIN-USA	הקאמכם מאלאם בסת+00	2	c uc-may-	1	79	3							-
10 Pipeline M.O.A. Earl (Borest, 171-26) to 182-18) 11 Pipeline M.O.A. Earl (Borest, 171-26) to 182-18) 12 S. S. S. S. S. S. S. S. S. S. S. S. S.	APLN-BB01	9	7	7 02-Oct-1	-	-113	ጽ					The New	Ş	a#1, 167+25
17 Positive Primary Road Consulty at R 10 (Boorst), 202-01-15 1-13 Seld														
The Place is ADD 1	APLN-BB02		7	7 14-Oct-1		-113	28		-			2 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	QV.	re#2, 1771-25
10 Pipeline Printary Road Constang at R1 (10A Roans II), 1544-10 5 S 20-20-615 S 20-20	APLN-BB03		2	5 23-Oct-1		-113	33					2	9 A G	ore#3, 192+14
Comparison Process Constraints Process Process Constraints Process Process Process Constraints Process P	APLN-CB10			5 22-Dec-		\$	δ.					7		any Road Cros
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Popular Primary Road Consorting at Right National Loop (Browerk, S. 28-Clot.) S. 90-Clot.)	APLINCBII	install New 10 Filperine Frimary road Crossing at Rt 16 (BOXER11, 234+10 to 237+75)	n	- 30-Dec		\$	7					•		-
1. The peptine Primary Plead Coasing at Rt 1 (Boerl's, 122-L/D to 5 (16-Nor-15 (12-Nor-15 APLN-DB04			5 30-Oct-1		-107	25					- - - - - - - - - - - - - - - - - - -	Piperine Pime	d Crossing at Et	
The Pipeline Primary Policy Consoling at RT 1 (Books), 242-0.10 5 (Berlen-1) 1-140-0.15 1-	1000		ı			,	-		-		_			
10° Pipeline Primary Road Cossing at R 127A (Bore R), 328+10 to 5 5 15-Nov-15 to 10° Dec-15 see 55 to 10° Pipeline Primary Road Cossing at R 12 (Bore R), 467-25 to 5 10° Dec-15 see 55 to 10° Dec-15 see 55° Dec-15 s	AFLN-UBUS		n	- NOV-90		-10/	73							č
10 Pippline Primary Road Crossing at Ri 28 (Borest', 467-25 to 521-60) 9 10-20-15 14-De-15 44- 56 56 15-De-15 14-De-15	APLN-EB06		ĸ	5 16-Nov-		-107	æ					rsta	Aria Pre	oad Crossing
10 To Pipeline Primary Road Cossing at R 28 (Boorefs, 147-25) o 5 5 22 Nov-15 O1-Doc-15 E-4 56 To Pipeline Primary Road Cossing at R 9 (Boorefs, 262-00) o 5 5 15 Doc-15 E-10-C-15 E-4 56 To Pipeline Primary Road Cossing at R 9 (Boorefs, 262-00) o 5 5 15 Doc-15 E-10-C-15 E-4 56 To Pipeline Primary Road Cossing at R 9 (Boorefs, 262-00) o 5 5 15 Doc-15 E-4 56 To Pipeline Primary Road Cossing at R 9 (Boorefs, 262-00) o 5 5 15 Doc-15 E-4 56 To Pipeline Primary Road Cossing at R 9 (Boorefs, 262-00) o 5 5 15 Doc-15 E-4 56 To Pipeline Primary Road Cossing at R 9 (Boorefs, 262-00) o 5 5 15 Doc-15 E-4 57 To Pipeline Primary Road Cossing at R 9 (Boorefs, 262-00) o 5 5 15 Doc-15 E-4 57 To Pipeline Primary Road Cossing at R 9 (Boorefs, 262-00) o 5 5 15 Doc-15 E-4 57 To Pipeline Primary Road Cossing at R 9 (Boorefs, 262-00) o 5 5 15 Doc-15 E-4 57 To Pipeline Primary Road Cossing at R 9 (Boorefs, 262-00) o 5 5 15 Doc-15 E-4 57 To Pipeline Primary Road Cossing at R 9 (Boorefs, 262-00) o 5 5 15 Doc-15 E-4 57 To Pipeline Primary Road Cossing at R 9 (Boorefs, 262-00) o 5 5 15 Doc-15 E-4 57 To Pipeline Primary Road Cossing at R 9 (Boorefs, 262-00) o 5 5 15 Doc-15 E-4 57 To Pipeline Primary Road Cossing at R 9 (Boorefs, 262-00) o 5 5 15 Doc-15 E-4 57 To Pipeline Primary Road R 7 Sala, walk a road cossing at R 9 (Boorefs, 262-00) o 5 5 15 Doc-15 E-4 57 To Pipeline Primary R 9 Sala, walk a road cossing R 9 Sala R 9 S													=	
10° Pipeline Primary Road Cossing at Ri 9 (Borels), 494-75 to S01-600; 5 5 15-Dec-15 2-1-Dec-15 2	APLN-HB07		un	5 23-Nov-		\$	25					Į.	9	Ö
10 Pipeline Primary Road Cossing at R1 9 (Borelly, 622-100 to 5 5 15-Dec-15 21-Dec-15 4-4 564 564 564 564 564 564 564 564 564 56	APLN-HB08		o	9 02-Dec-		ģ	8					<u> </u>	10 Piph	Station/Stripella
17 Pipeline Frimary Poda Clossing and State (1989) 22 1948-15 2048	4		ı			į								
New Yale Valit V6 Crit Hold* 10 CrDeci5 20 Nor-15 41 WC	APEN-1509	Install New TU Pripeline Primary Road Clossing at Rt 9 (bore#9, b22+0) to 625+10)	n	5 15-Dec-		\$	ጸ							y road co
The Valve Vaul V6 Ch Hold	Valve Vaults						_							
alve Vault V-6 stab, walls & root 10 10 O7-Dec-15 18-Dec-15 49 WC g Vake V ball V-6 stab, walls & root 2 2 29-Dec-15 30-Dec-15 47 WC Image: All V-6 New Properties of Value V ball V-6 New Properties of Value V ball V-7 Con Hold Image: All V-6 New Properties of Value V ball V-7 Con Hold Image: All V-7 Con Hold Imag	AFVV6-10	Excavate for New Valve Vault V-6 'On Hold'	2	-voN-91 S		14	WC				:	Ecca	N N	O HO
S	AFVV6-20	FRP New Valve Vault V-6 stab, walts & roof	10	10 07-Dec-		4	¥					<u> </u>	/ 11 / 1	walls 8 cool
w Valve Vault V-7 2 2 29-Dec-15 30-Dec-15 47 WC or New Vault V-7 10 10 10 10 10 10 10 10 10 10 10 10 10 10 1	AFVV6-30	Install Piping Valve Vault V-6 (New Pipeline)	S			4	WC						Val 6	0
Intervalve Vault V7 'On Hold* 2 2 17-Nov-15 18-Nov-15 19-Nov-15	AFVV6-50	Backill New Valve Vault V-6	c	2 29-Dec-1		4	NC.				-		Valve (
alve Vault V-8 isab, walls & root 10 10 19-Nov-15 04-Dec-15 49 WC 5 5 07-Dec-15 11-Dec-15 41 5d 6 4 4 6 WC 7 10 10 19-Nov-15 11-Dec-15 41 5d 8 14 10 10 19-Nov-15 11-Dec-15 11-Dec-15 41 5d 8 14 10 10 19-Nov-15 11-Dec-15 11-Dec-15 41 5d 8 14 10 10 10 10 10 10 10 10 10 10 10 10 10	AFVV7-10	Excavate for New Valve Vault V-7 *On Hold*	2	2 17-Nov-1		ę.	WC					E Ca	1	On Hole
9 Valve Vault V-7 (New Pipeline) 5 5 07-Dec-15 11-Dec-15 41 5d	AFVV7-20	FRP New Valve Vault V-7 slab, walls & roof	10	10 19-Nov-	_	4	₩C					<u> </u>	2	vails & roof
2 2 14-Dec-15 15-Dec-15 41 5d	AFVV7-30	Install Piping Valve Vault V-7 (New Pipeline)	5	5 07-Dec-		Ā	몺					Ţ	we vau	ew Pipeline)
In New Valve Vault V8 stab, walk & nod 2 0.20-Jul-15.A 2.4-Lul-15.A WC Accusative Vault V8 Accusative Vault	AFVV7-50	Backfill New Valve Vault V-7	2			4	ß		_			ă 7.	ave Naur	
alve Vault V-8 stab. valls & roof 10 0.10-Aug-15 A 26-Aug-15 A WC Institute V-8 (New Pipeline) 5 0.14-Aug-15 A 3-Aug-15 A </td <td>AFVV8-10</td> <td>Excavate for New Valve Vault V-8</td> <td>23</td> <td></td> <td></td> <td></td> <td>WC</td> <td></td> <td></td> <td></td> <td>Ĭ</td> <td>D TE</td> <td>Vacult V-8</td> <td></td>	AFVV8-10	Excavate for New Valve Vault V-8	23				WC				Ĭ	D TE	Vacult V-8	
g Valve Vault V8 (New Pipeline) 5 0.14-Aug-15A 5d 1.16-18 Pipeline) e Valve Vault V8 2 2.01-Oct-15 5.5d 1.64-18 Pipeline) A ctual Work Chical Remaining Work Page 11 of 25 7ASK filter: All Activities	AEVVVB-20	EBO Now Volve Van V. B e law de la serve a la serve e l	ç	10.6.04			C/M				-	N N	wall R	
4 Valve Vault V-8 (New Pipeline) 5 0 14-Aug-15A 5-d (New Pipeline) 5-d (New Pipeline) 7-d	6	THE INCH VAIVO VAUIL V-D SIAD, WAILS OF COOL	2	fare of a			2				\			
Valve Vault V-8 Actual Work	AFVV8-30	Install Piping Valve Vault V-8 (New Pipeline)	S.	0 14-Aug-			38	-			5	Pong Pong	8 }	
Actual Work Chical Remaining Work Page 11 of 25 TASK filter: All Activities	AFVV8-50	Backfill New Valve Vault V-8	e,	2 01-Oct-1		ur.	J.					F BECKE	alvæ VaultiN-8	
Actual Work Chical Remaining Work Page 11 of 25 TASK Riter All Activities	Evieting Air En	Disching the state of the state	ı	1		,	3							
Actual Work ■ Chilical Remaining Work Page 11 of 25 TASK filter: All Activities Page 11 of 25 TASK filter: All Activities	Tiyan Station	to Route 10-A												
Page 11 of 25 TASK filter All Activities TASK filter All Activities TASK filter All Activities TASK filter All Activities														
Remainion Work Willestone	Remaining Level	Actual Work			Pag	le 11 of 25			TASF	(filter: All Acti	vities			

opgrade rues ripellile, dualis							****	3,90
Activity ID	Activity Name	Original Remain	aining Start	Finish	Float	2014 Ard M 1 14 A S Oct N D 1 E M	And M. Linit A. S. Oct. N. D. 31 F. M. A.	O I N I S I S I N I O
ADV-4A	Excavate Existing Valve Vault DV-4 *On hold*		1 02-Jun-16	. 02-Jun-16	98-			Excavate Existing Valve
ADV-48	Demolish Existing Valve Vault DV-4	- es	3 03-Jun-16	07-Jun-16			20.2	- Demolish Existing Valle Vault DV
ADV-4C	Beolace 10" Pine @ Valve Vaut DV-4	. ~	2 08-lun-16	09-lun-16		05		H Replace 10" Proc @ Walre Vault
ADV-4D	Backfill Valve Vault DV-4	-	1 10-Jun-16	10-Jun-16		790		Backfill Valve /aum TV-
APLE-10	Secure & Drain existing 10" fuel line	. 2	2 31-May-16	01-Jun-16		P95		Secure & Drain pristing 10-fuel lin
APLE-R1a	Excavate Repair A1.1	-	1 05-Jul-16	05-Jul-16		0.0		Excavate Febair 19.
APLE-R1b	Perform Repair A1.1	-	1 06-Jul-16	06-Jul-16				i.
APLE-R1c	Coating Repair A1.1	-	1 07-Jul-16	07~Jul-16				Coating Repair No.1
APLE-R1d	Backfill Repair A1.1	-	1 08-Jul-16	08~Jul-16	-86 5d			Backfill Repair Not
Route 16 to Route 9	ule 9							
ADV-6A	Excavate Valve Vaults DV-6, V-7 & Piping *On hold*	9	3 02-Jun-16	06-Jun-16				xcavate Valve Yaurs DV
ADV-6B	Demotish Existing Valve Vault DV-6 & Piping	8	3 13-Jun-16	15-Jun-16				Jemolish Existing Nave
ADV-6C	Install New 10" Piping @ DV-6 & New Vault V-7	es	3 16-Jun-16	20-Jun-16				install New 107 Pip. 6
ADV-6D	Backfill Valve Vault DV-6, V-7 & Píping	3	3 21-Jun-16	23-Jun-16	-85			O Her
ADV-7A	Excavate Existing Valve Vault DV-7	60	3 07-Jun-16	09-Jun-16	-82 5d			xcavate Existing Valle V
ADV-7B	Demofish Existing Valve Vault DV-7	က	3 16-Jun-16	20-Jun-16	PS 98-			Demolish Existing Vilve Vault
ADV-7C	Replace 10" Pipe @ Valve Vault DV-7	2	2 21-Jun-16	22-Jun-16	-85 56			Replace 10" Pipe of Valve Vau
ADV-7D	Backfill Valve Vault DV-7	2	2 24-Jun-16	27-Jun-16	-85 5d			Backfill Valve VaurDV-
ADV-8A	Excavate Valve Vaults DV-8, V-8 & Piping	က	3 10-Jun-16	14-Jun-16				Excavate Valve Valls DV-8, V-8
ADV-8B	Demolish Existing Valve Vault DV-8 & Piping	6	3 21-Jun-16	23-Jun-16	PS 98-			Demolish Existing Walhe Vault 8
ADV-8C	Install New 10* Ploing @ DV-8 & New Vault V-8	en	3 24-Jun-16	28-Jun-16				Install New C Rang @ DV-8
ADV-8D	Backfill Valve Vault DV-8. V-8 & Pioing	n	3 29-Jun-16	01-Jul-16				Backfill Valve Valve DV
ADV-8F	Install Cathodic Protection System at V-8		1 29-lun-16	29-hm-16				Install Cathooc Patecton Sys
API F-B2a	Excavate Repair A1.2		1 11.hil-16	11-114-15				Excavate Repair 112
400 10 00	Danie Danie A		1 12 14.16	12-bil-16				
A 1 1 200	Cartier Cartier At A	- •	0110101	12 to 14 ct				C Wale
יביה דותי	Coding repair A1.2	- ,	0.000	01-10-21				
APLE-HZd	Backilli Hebair A 1.2	- ,	14-101-15	14-701-10				Excavate Piparit 13
APLE-H3a	Excavate Repair A1.3	- ,	91-107-01-1	91-10-61				Pedrum Repair 613
APLE-R3b	Perform Repair A1.3	-	1 18-Jul-16	18-Jul-16				Costing Edward
APLE-H3c	Coating Hepair A1.3	- `,	1 19-304-16	19-10-16	P 3			Backfill
APLE-R30	Dackin Hebair Al. 3		1 22 14 16	20.00116				Excavate
APLE-H48	Bodom Donais Bonais A 1.4	- •	1.25 14116	25 14 16				F Perform Repair Repair A1
AP. LE-1740	Control Depail Nepail A L.	- •	26 1-11 86	21 12 20				Coating People A114
ADI E 044	Backill Barair A1.4		1 27-114-16	27, 1,4,16	98-			Backfill Report At 14
Sharing 10A to South 18	E. M. indon in the control of the co	-	2 22 22	2 102 12				
ADV-5A	Excavate Valve Vaults DV-5, V-6 & Piping *On hold*	2	2 02-Jun-16	03-Jun-16				xcavate Valve Vaulth D
ADV-58	Demolish Existing Valve Vault DV-5 & Piping	ဇ	3 08-Jun-16	10-Jun-16				Demolish Existing Waye V
ADV-5C	Install New 10" Piping @ DV-5 & New Vault V-6	8	3 13-Jun-16	15-Jun-16	-85 5d			⊕
ADV-5D	Backfill Valve Vault DV-5, V-6 & Piping	n	3 16-Jun-16	20-Jun-16	-85 5			Backfill Valve Yaun BV 5 V-6 &
Navy Pipeline - South	- South							
Low Point Valv	Low Point Valve Vaults (Opt 2)							
NPL-LPDV1-1	initatio Ordot NPL-LPDV1-10 Excavate for LPD1 Vault *Replaced by PCO5*	2	0 08-Jun-15 A	24-Jun-15 A	OM.		Excavate for LPD Vault 'Replaced by PCC	
		¢	-		3			
NPL-LPDV1-	NPL-LPDV1-10) Mag & Dig for LPD1 Vault (PCO5)	φ.	0 08-Jun-15 A	15-Jun-15 A	×			
NPL-LPDV1-;	NPL-LPDV1-20 FRP LDP1 Vauil slab, walls & roof	10	0 29-Jun-15 A	29-Jul-15 A	WC		FRP LDP1 Walt stab waits & roo	
YIVI POVI	In PD V. 190 Backfill PD 1 Vauli	0	0 15.Sen-15.A	30-Spn-15.A	×		Bacifii PD Vauit	
		ı						
NPL-LPDV1-	NPL-LPDV1-40 Install Piping & valves in LPD-1 (South N1.10, LPD4)	2	2 16-Jun-15A	02-Oct-15	3		Institut Piping & Velves in LP	G- (South N1.10, LPU4)
NPL-LPDV2-	NPL-LPDV2-10 Excavate for LPD2 Vault 'Replaced by PCO5'	2	0 12-Jun-15 A	24-Jun-15 A	wc		Excavate for LPDb Vault "Replaced by PCO	
 Remaining Level of Effort Actual Level of Effort 	of Effort Control Work Chiles Remaining Work			Page 1	Page 12 of 25	TASK filter; All Activities	Activities	
						_		reilers man along the

Activity ID Activity Name		naining Start	Finish	Total Calendar	2014	2015
	Duration Dura	uration		Float	Ami W	I F M AN W
NPL-LPDV2-10: Mag & Dig for LPD2 Vault (PCO5)		0 12-Jun-15 A	24-Jun-15 A	wc		Mag 8 Dig for LPD2 Vauliffe(O5)
NPL-LPDV2-20 FRP LDP2 Vault stab, walts & roof "On Hold"	10	10 16-Nov-15	01-Dec-15			FRP DP2 Vautislat, walls & roof "On Ho
NPL-LPDV2-30 Backfill LPD 2 Vault	61	2 02-Dec-15	03-Dec-15	-30 WC		Hour H
NPL-LPDV2-40 Install Piping & valves in LPD-2 (South N1.12, LPD6)	2	2 04-Dec-15	07-Dec-15	-32 Sd		Install Plang & valves in LPD-2 (South A
NPL-LPDV3-10 Excavate for LPD3 Vault *Replaced by PCO5*	2	0 13-Jul-15 A	31-Aug-15 A	WC		Exeaval for LP DS Vain "Replaced by PCO6"
NPL-LPDV3-10; Map & Dig for LPD3 Vault (PCO5)	Œ	0 13-lid-15 A	31-Aun-15 A	C.W		Was & Borior Lindos Vault (PCOS)
	•			:		
NPL-LPDV3-20 FRP LDP3 Vault slab, walls & roof	10	10 14-Oct-15	29-Oct-15			HP LDP 8 Vault slab walt & roof
INT-LETUV3-30 Backiili LFU 3 Vault NPL-LPDV3-40 Install Piping & valves in LPD-3 (South N1,20, LPD7) (Relocated)	2 6	2 UZ-Nov-15 3 18-Sep-15 A	05-Nov-15	-14 WC		-
NPL-LPDV4-10 Excavate for LPD4 Vault 'Replaced by PCO5'	84	0 24-Jul-15 A	30-Jul-15 A	OM.		E Expanse for PD4 Veuit Replaced by CO5*
	Ì)		
NPL-LPDV4-10) Mag & Dig for LPD4 Vault (PCO5)	9	0 24-Jul-15 A	30-Jul-15 A	MC.		BOOD STATE OF THE
NPL-LPDV4-20 FRP LDP4 Vault slab, walls & rool	10	10 02-Nov-15	13-Nav-15	-30 WC	-	FRP LER4 Variet sab, vertis & roof
NPL-LPDV4-30 Backfill LPD 4 Vault	21	2 16-Nov-15	17-Nov-15	-22 WC		Back Pi 4 Vaet
NPL-LPDV4-40 Install Piping & valves in LPD-4 (South N1.24, LPD8)	21	2 30-Sep-15 A	19-Nov-15	-24 5d	-	Install Piping & valves in LPD-4 (South N.).
NPL-LPDV5-10 Excavate for LPD5 Vault 'Replaced by PCO5'	2	0 24-Jul-15 A	30-Jul-15 A	WC		Excavate for LP05 value "Heplaced by COS"
NPL-LPDV5-10: Mag & Dkg for LPD5 Vault (PCO5)	9	0 24-Jul-15 A	30-Jul-15 A	WC		The state of the s
MPL-LPDV5-20 FRP LDP5 Vault slab, walls & roof	10	6 27-Aug-15 A	12-Oct-15	-30 WC		PP LDPS Vacil Stab. valls & roof
NPL-LPDV5-30 Backritt LPD 5 Vault NPL-LPDV5-40 Install Piping & valves in LPD-5 (South N1.28, LPD11)	2 2	2 14-Oct-15 0 08-Sep-15.A	15-Oct-15 16-Oct-15 A	PS WC		Backet LPOS Yautt
NPL-LPDV6-10 Excavate for LPD6 Vault "Replaced by PCO5"	2	0 12-Aug-15 A	21-Aug-15 A	WC		Ekdava B for k PD V438 'Replaced by PCD5'
NPL-LPDV6-10) Mag & Dig for LPD6 Vault (PCO5)	9	0 12-Aug-15A	21-Aug-15 A	WC		Man & Die for LP Be Navit (PCDS)
NPL-LPDV6-20 FRP LDP6 Vault slab, walts & roof	10	1 01-Sep-15A	01-Oct-15	-28 WC		FRP UDP6 Newli stab, willis & pol
NPL-LPDV6-30 Backfill LPD 6 Vault	α.	2 02-Oct-15	05-Oct-15	ь. З		Backshill Pill R Vault
NPL-LPDV6-40 Install Piping & valves in LPD-6 (South N1.29, LPD12) (Relocated)	αı	0 08-Sep-15A	16-Sep-15 A	S		hatali Piping & vatues in LPD-6 South N1.29, LPD1
Navy Pipeline South						
NPLS-10 Remove Crossovers in 4 Each Navy Valve Vaults	5	0 08-Dec-14 A 25-Feb-15 A	25-Feb-15 A	MC		Reriove Crassovers # 4 Each Navy Valve Vents
NPLS-20 Drain Navy Pipeline 1 - South	2	0 10-Nov-14 A	28-Nov-14 A	WC	Drain	Tavy Pipelite 1 - South
Sasa to Nimitz						
NPLS-A-RA Excavate for Repair (N1.1) (C-451)	-	0 21-Apr-15A	22-Apr-15 A	PS		Exception (CT-11)
NPLS-A-RB Perform Repair (N1.1) (C-451)	-	0 04-May-15 A	06-May-15 A	50		Participal (Na.1) (C-65)
NPLS-A-RC Repair Coaling Repair (N1.1) (C-451)	-	0 11-May-15 A	11-May-15 A	PS		Perpuir Coaling Repair (Nr). 1) (C-Mt)
NPLS-A-RD Backfill Repair (N1.1) (C-451)	-	0 19-May-15 A	28-May-15 A	PS		## 35par 7.1. ((-1.51)
NPLS-B-DV1-A Excavate DV-1 (C-452)	-	0 20-Jul-15 A	23-Jul-15 A	33		- Decarate DV- 10-452
				_		
Remanning Level of Effort Actual Work Critical Remaining Work			Page 13 of 25	of 25		TASK filter: All Activities

		Remaining Start Finish	2014	2015
Activity Name	Duration	Duration	Float April M J Jul A	S Oct N D J F M Apr M J Jul A S Oct N D J F M A M J Jul A
NPLS-B-DV1-B Modify Piping S. line DV-1 (C-452)	2	0 19-Aug-15 A : 24-Aug-15 A	15.A WC	Nobel Control (Control Control
NPLS-B-DV1-C Coating Ropair S. fine DV-1 (C-452)	-	0 24-Aug-15 A 25-Aug-15 A	15.A 5d	Opaing Repar S. Ine DV-1 (Q-452)
NPLS-B-DV1-D Backfill DV-1 (C-452)	-	0 27-Aug-15 A 31-Aug-15 A	15.A 5d	A Packing DV. (C. 152)
NPLS-B-RA Excavate for Repairs (M1.3-N1.5) (C-452)	ဗ	0 23-Apr-15 A 24-Apr-15 A	5A 5d	Personal Separation of Personal Control of Per
NPLS-B-RB Perform Repairs (N1.3-N1.5) (C-452)	ဗ	0 27-Apr-15 A 29-Apr-15 A	5A wC	Permit Repair (N. 3-M-1.5) (C-4-1.2)
NPLS-B-RC Repair Coating Repairs (N1.3-N1.5) (C-452)	-	0 30-Apr-15 A 30-Apr-15 A	5A 5d	
NPLS-B-RD Backfill Repairs (N1.3-N1.5) (C-452)	m	0 19-May-15A 28-May-15A	15.A 5d	Bepairs (N1.3-N I 5) (F-452)
NPLS-B-V1-10 Excavate for New Valve Vault V-1	2	0 27-Apr-15 A 27-May-15 A	15.A 5d	E) Care and Or New Value Value
NPLS-B-V1-20 FRP New Valve Vault V-1 slab, walls & roof	10	0 28-May-15 A 30-Jul-15 A	5A 5d	FIP New Varie Vaul V. 15th, while & col
NPLS-B-V1-40 Install Vault Upgrades on Navy Pipeline 1 South V-1 & Repair N1.2	S	0 30-Apr-15A 27-Aug-15A	15 A WC	hafall Vauk Upgranes on Navy Pripeline 1 South V-1
NPLS-B-V1-50 Backfill New Valve Vault V-1		0 24-Aug-15 A 31-Aug-15 A	15 A WC	Barkin dew Valle Vanit V.1
NPLS-C-HPV HPV Repair (HPV1-South) (C-453)	n	0 30-Jun-15 A 28-Sep-15 A	15.A 5d	HPW Rogari HPV South (C-44.3)
NPLS-C-LA Excavate for Repair (N1.6, LPD2) (C-453) *Replaced by PCO5*	-	0 08-Jul-15A 10-Jul-15A	5.A 5d	Exervate or Repair (N16, PT2) (0(453) PReplaced by PC0
NPLS-C-LAx Mag & Dig for Repair (N1.6, LPD2) (C-453) (PCO5)	S	0 08-Jul-15 A 10-Jul-15 A	5A WC	A Dig tos Pepair (Natice EPD2), 62-459 (PCO5)
NPLS-C-LB Perform Repair (M1.6, LPD2) (C-453)	-	0 07-Aug-15A 11-Aug-15A	ISA WC	Perform Repair (N18, LPD) (C453)
NPLS-C-LC Repair Coating Repair (N1.6, LPD2) (C-453)	-	0.13-Aug-15.A 14-Aug-15.A	15.A 5d	Repair Coeing Repair (N) 6, LP02) (4-453)
NPLS-C-LD Backiil Repair (N1.6, LPD2) (C-453)	-	0 17-Aug-15.A 18-Aug-15.A	15.A 5d	Eachill (N. 6. LED2) (CA53
Nimitz to Graot NPLS-D-LA Excavate for Repair (N1.7, LPD3) (C-454) "Replaced by PCO5"	-	0 26-Jun-15 A 10-Jul-15 A	PS V 9	Exavate or Repair (Nu.*, LP3/3) (Cl454- Perdaced by PCO6
NPLS-D-LAx Mag & Dig for Repair (N1.7, LPD3) (C-454) (PCO5)	ĸ	0 26-Jun-15 A 10-Jul-15 A	N WC	B De for Fepal (N.1.7; E-FD3) &-45H (PCO5)
NPLS-D-LB Perform Repair (N1.7, LPD3) (C-454)	-	0 07-Aug-15 A 18-Aug-15 A	15.A WC	Perform Peppar (N. 77.1.8 D3) (G-45-4)
NPLS-D-LC Repair Coating Repair (N1.7, LPD3) (C-454)	-	0 19-Aug-15A 20-Aug-15A	15.A 5d	- Repair Coping Repair(N. 7, LPD3) (C-454)
NPLS-D-LD Backiil Repair (N1.7, LPD3) (C-454)	-	0 20-Aug-15 A 21-Aug-15 A	15.A 5d	
NPLS-D-VA Excavate for Repairs (V-2, N1.8, N1.9) (C-454) *Replaced by PCO5*	-	0 22-Jun-15 A : 29-Jun-15 A	15.A 5d	10 G. Van Ville III III III G. (C-114) Teplaced by
NPLS-D-VAx Mag & Dig for Repairs (V-2, N1.8, N1.9) (C-454) (PCO5)	80	0 16-Jun-15 A 29-Jun-15 A	5A wc	Mark & dig for Repart (VE, N15) (G-54) (PCOS)
NPLS-D-VB Perform Repairs (V-2, N1.8, N1.9) (C-454)	e	0 26-Jun-15 A 19-Aug-15 A	15.A WC	Ferkim Repairs (N-2 3V B, N 9) (D-454)
NPLS-D-VC Repair Coating Repairs (V-2, N1.8, N1.9) (C-454)	-	0 30-Jun-15 A 24-Aug-15 A	15.A 5d	Fephin Ocading Discolors (V.2., ht. 8, ht. 9) (C-454)
NPLS-D-VD Backfill Repairs (V-2, N1.8, N1.9) (C-454)	-	0 25-Aug-15A 27-Aug-15A	15.A 5d	1 Barkili Repairs 64-2; Krt.8, N. 59 (C-45-4)
NPLS-E-HPV HPV Repair (HPV2-South) (C-455)	m	0 25-Sep-15A 25-Sep-15A	15.A 5d	HPV Prepare (PPV Second)
NPLS-F-HPV HPV Repair (HPV3-South) (C-456)	က	0 25-Sep-15 A 25-Sep-15 A	15.A 5d	HPV Perair (-C-1-6)
Remaining Level of Effort Actual Work			Page 14 of 25	TASK filter: All Activities

	Upgrade Fu	Upgrade Fuel Pipeline, Guam	il.		Ę.	Time Scaled Logic Diagram	gram		P6 Project ID: 1401-Update14		Warrent Committee and Committee of Committee	07-Oct-15
State March Marc	Activity 1D		Activity Name	Original Rema	g Start		_	2014 [1:4] A e Oct	1 3	N INCO	2016	2017
		NPLS-F-LA	Excavale for Repair (N1.11, LPD5) (C-456) *Replaced by PCO5*		0 01-Jun-15 A	┨.		2012		o Repair Ni III	laced by PCO5	,
1 1 1 1 1 1 1 1 1 1		NPLS-F-LAx	Mag & Dig for Ropair (N1.11, LPD5) (C-456) (PCO5)	Ŋ		un-15 A	W.C		6 6 2 2	for Repair (N'.11 LP	PDE) (C-436) (P-O5)	
Commany Page 1911 Company 1912 Company 181 Company		NPLS-F-LB	Perform Repair (N1.11, LPDS) (C-456)	-		un-15.A	₩			=	(9)	
Part Part		NPLS-F-LC	Repair Coating Repair (N1.11, LPD5) (C-456)	-		un-15.A	ß			and Repair (M1:11 L	PD3 (C-56)	
		NPLS-F-LD	Backiil Repair (N1.11, LPDS) (C-456)	-		.ug-15.A	ß		8	ackfill Repair (N1. 17.		
		NPLS-G-HPV		ဗ		ep-15.A	25			HF Hepair	VIESOUR (C+67)	
Digital Plance (CAL) Digital SA NILSAN 17 (CAS) Digital SA NILSAN 17		NPLS-G-VA	Excavate for Repairs (V-3, N1.13-N1.17) (G-457) 'Replaced by PCO5'	8		un-15 A	Z			for Repairs (V-3	. K. N1. T) (6	Š
Property (A.M. M.		NPLS-G-VAx	Mag & Dig for Repairs (V-3, N1.13-M1.17) (C-457) (PCO5)	60		un-15 A	×		Ţ	Elgifor Repairs (VPE, I	Ų	
County Prepare 19.4. N. 1.2. N. 1.2. C.		NPLS-G-VB	Perform Repairs (V.3, N1.13-N1.17) (C-457)	ဗ		ul-15 A	WC.			m Repairs (V-3, N., 1;	24.17. C45.	
Hi Regales (V.S. N. L.SAN L.T.) (C-457) Liu Die Freger (N. Lis) (C-458) Picobs Liu Die Freger (N. Lis) (N. Lis) (C-458) Picobs Liu Die Freger (N. Lis) (N. Lis) (C-458) Picobs Liu Die Freger (N. Lis) (N. Lis) (C-458) Picobs Liu Die Freger (N. Lis) (N. Lis) (C-458) Picobs Liu Die Freger (N. Lis) (N. Lis) (C-458) Picobs Liu Die Freger (N. Lis) (N. Lis) (C-458) Picobs Liu Die Freger (N. Lis) (N. Lis) (C-458) Picobs Liu Die Freger (N. Li		NPLS-G-VC	Repair Coating Repairs (V-3, N1.13-N1.17) (C-457)	-		ug-15 A	ß		CC.	epair Coaling Repurs	<u>+</u> E	
100 for Repair (N.1.18) (C-458) Pico26 in PPOSP 1 0 30-Jan-15 A 10-Jan-15 A 1		NPLS-G-VD	Backfill Repairs (V-3, N1.13-N1.17) (C-457)	-		.ug-15.A	ß			Backfill Repails (V.1).	5	
1.0 pt Repair (N.1.18) (C-450) (PCO5) 1 0.24-day-15.4 WC WC MC MC MC MC MC MC		NPLS-H-R1A		-		uk-15.A	33		A	or Repair (N	458) 'Rept	
To State (1-45) To St		NPLS-H-R1Ax	: Mag & Dig for Repair (N1.18) (C-458) (PCO5)	7		u-15.A	W.C			Dig for Repair		-
1 0.24-App.15A 56 1		NPLS-H-R1B		-		ul-15 A	WC		50	rform Repairs (N1. 18) ((6:468)	********
1 0.26 Augu-15 2.6 Augu-		NPLS-H-R1C		-		ug-15 A	25			Repair Coaing Repai	(6 IN1.18 (C-69)	
1 0.07-Jul-15A WC WC WC WC WC WC WC W		NPLS-IH-R1D	Васкії Вераіт (N1.18) (С-458)	-		.ug-15.A	Z		T	Backfill Repair (NT.1	B) 10-458	
1 0 2-4-15 A 30-14-15 A 10-14-15		NPLS-H-R2A		-		ul-15 A	Z		2	Repair (N	(C 458) Replac	
m Ropair (N1.19) (C-459) in Ropair (N1.19) (C-459) in Ropair (H2VE-South) (C-459) in Ropai		NPLS-H-R2A	. Mag & Dig for Repair (N1.19) (C-458) (PCOS)	æ		ul-15 A	S ¥			e e	9) (C-458 (PGG5)	
1 0.24Aug-15A 26Aug-15A 56A		NPLS-H-R2B	Perform Repair (N1.19) (C-458)	-		ul-15 A	× O		3	mbrm Repairs (N1, 19) ((6-1-58)	
Il Repair (H1.15) (C-459) A A A A A A A A A		NPLS-H-R2C		-		ug-15 A	ß			Repair Cealing Repe	(C-5)	
Spair (HPV5-South) (C-459) Spair (HPV5-South) (C-459) Spair (HPV5-South) (C-459) Spair (HPV5-South) (C-459) Spair (HPV5-South) (C-459) Spair (HPV5-South) (C-459) Spair (HPV5-South) (C-459) Spair (HPV6-South) (C-459) (C-459) Spair		NPLS-H-R2D	Backfill Repair (N1.19) (C-458)	-		ug-15 A	25		I	Backfill Repair (M)	90,40,45	
are for Repairs (V4, N1.21, N1.22) (C-459) Replaced by PCO5* Dig for Repairs (V4, N1.21, N1.22) (C-459) (PCO5) B 0 13-Jul-15 A 31-Aug-15 A WC Togaling Repairs (V4, N1.21, N1.22) (C-459) (PCO5) B 0 13-Jul-15 A 31-Aug-15 A WC Togaling Repairs (V4, N1.21, N1.22) (C-459) (PCO5) B 0 13-Jul-15 A 31-Aug-15 A WC Togaling Repairs (V4, N1.21, N1.22) (C-459) Togaling Repairs (V4,		Ordot to Tiyan NPLS-I-HPV		8		ep-15 A	35			- 2	<u>§</u>	
Dig for Repairs (V-4, N1.21, N1.22) (C-459) (PCO5) 8 0 13-Jul-15A 3 14-Jul-15A 3 14-Jul-15A <th></th> <th>NPLS-1-VA</th> <td>Excavate for Repairs (V-4, N1.21, N1.22) (C-459) 'Replaced by PCO5'</td> <td>61</td> <td></td> <td>ug-15 A</td> <td>3</td> <td></td> <td></td> <td>Excavate for Regain</td> <td>L</td> <td>cec by PCO5*</td>		NPLS-1-VA	Excavate for Repairs (V-4, N1.21, N1.22) (C-459) 'Replaced by PCO5'	61		ug-15 A	3			Excavate for Regain	L	cec by PCO5*
m Repairs (V4, Ni.21) (C-459) 3 0.31-Aug-15 A 18-Sep-15 A WC Perpin Pepairs (V4, Ni.21, Ni.22) (C-459) r Coaling Repairs (V4, Ni.21, Ni.22) (C-459) 1 0.22-Sep-15 A 22-Sep-15 A 5d Pepair (V4, Ni.21, Ni.22) (C-459) r Repairs (V4, Ni.21, Ni.22) (C-459) 1 1.5-Sep-15 A 0.5-Cet-15 2 5d Pepair (V4, Ni.22) (C-459) r Repairs (V4, Ni.21, Ni.22) (C-459) 3 0.30-Sep-15 A 30-Sep-15 A 30-Sep-15 A 30-Sep-15 A 30-Sep-15 A r Repairs (V1, Ni.22) (C-459) 3 0.30-Sep-15 A 30-Sep-15 A<		NPLS-I-VAx	Mag & Dig for Repairs (V-4, N1.21, N1.22) (C-459) (PCO5)	80		ug-15 A	WC			Mag & Chg for Repai	·	Φ
Coaling Repairs (V4, N1.21, N1.22) (C-459) 1 0.22-Sep-15.A 22-Sep-15.A 5-d Perpet C-atival Repairs (V4, N1.21, N1.22) (C-459) Ill Repairs (V4, N1.21, N1.22) (C-459) 1 1.15-Sep-15.A 05-Oct-15 2 5-d Proprietation (C-450) Repairs (N1.26 & N1.25, LPD9) (C-460) 3 0.30-Sep-15.A 30-Sep-15.A 5-d Proprietation (C-450) Ill Repairs (N1.26 & N1.25, LPD9) (C-460) 1 0.06-Aug-15.A 12-Aug-15.A 5-d Proprietation (N1.26 & N1.25, LPD9) (C-460) Ill Repairs (N1.26 & N1.25, LPD9) (C-460) 1 0.06-Aug-15.A 12-Aug-15.A 5-d Proprietation (N1.26 & N1.25, LPD9) (C-460)		NPLS-I-VB	Perform Repairs (V4, N1.21, N1.22) (C-459)	6		ep-15 A	WC			Perform Repars (Σ	
Repairs (V4, N1,22) (C-459) 1 15-Sep-15 A 05-Oct-15 2 5d		NPLS-4-VC	Repair Coating Repairs (V-4, N1.21, N1.22) (C-459)	-		ep-15 A	ß			Pepar Caling R	(ephris (V4, N121, N1.22) (C-459)	
Repair (HPV6-South) (C-460) 3 0.30-Sep-15 A 30-Sep-15 A 5-d HFV (Poster)		NPLS-4-VD	Backiill Repairs (V-4, N1.21, N1.22) (C-459)	,-			25			Backfill Repairs	21, 7	
ate for Repairs (N1.28 & N1.25, LPD9) (C-460) 'Replaced by PCOS' 1 0 06-Aug-15 A 12-Aug-15 A 5d		NPLS-J-HPV	HPV Repair (HPV6-South) (C-460)	е		ep-15 A	25			HRV Repair HP	W6-South (C-60)	
Actual Work Chical Remaining Work Page 15 of 25 TASK filter: All Activities Femaining Work Milostore		NPLS-J-LA	Excavate for Repairs (N1.26 & N1.25, LPD9) (C-460) 'Replaced by PCO5'	-		ug-15 A	50			xtavate for Ropaus (f	1.2	ade by PCO5*
Hemaining Work ♦ • Milestone		lemaining Level o	Actual Work			Page 15 of 25	1		ASK filter: All Activities			
	Ì	Actual Level of Ef	Remaining Work •								©	Oracle Corporation

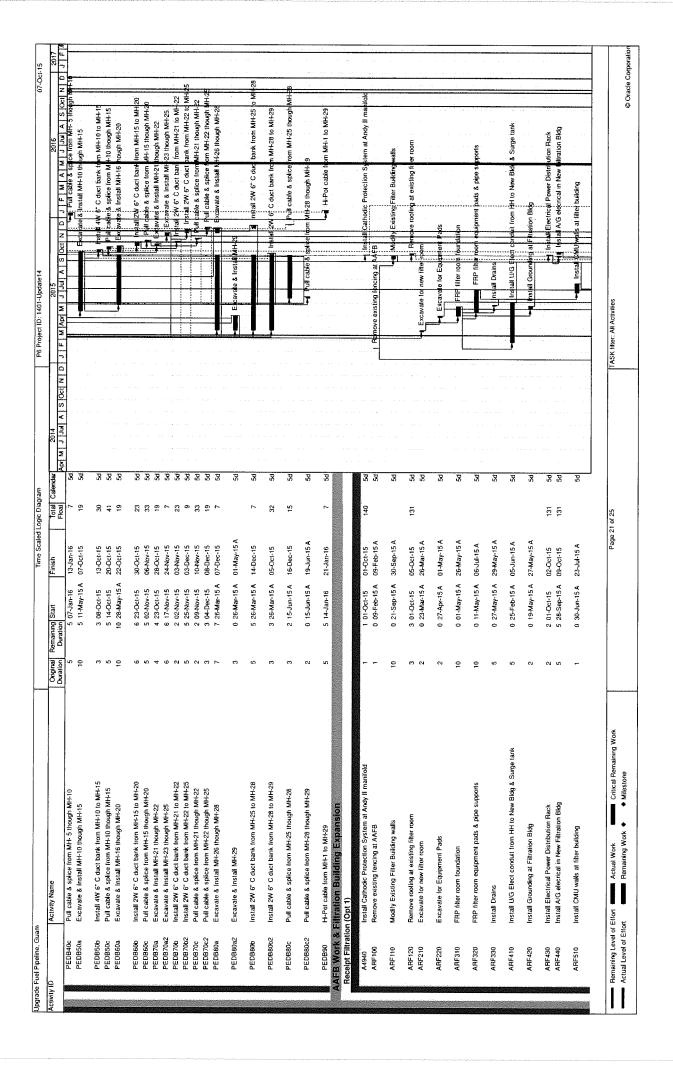
										ŀ
December December	Q	Activity Name		naining Start uration	Firsh		Acyl	316	2016 A M I J Jul A	O N
	NPLS-J-LAx	Mag & Dig for Repairs (N1.26 & N1.25, LPD9) (C-460) (PCO5)			1			_	19 (NI 26 8IN 1.23, LPD9) (C-4	
	NPLS-J-LB	Perform Repairs (N1.26 & N1.25, LPD9) (C-460)		0 13-Aug-15,		s	9/		Repairs (My.26.14 N1.25, LPI	
The part of the Color Colo	NPLS-J-LC	Repair Coating Repairs (N1.26 & N1.25, LPD9) (C-460)	-	0 17-Aug-15,					airs (N1.26 & N1.	
One by Repair (bit 20) (1-560)	MPLS-J-LD	Backfill Repairs (N1,26 & N1,25, LPD9) (C-460)	-	0 21-Sep-15		-	28		Reparts (N) 26 & N1.25	
December Part Care Car	NPLS-J-RA	Excavate for Repair (N1.23) (C-460) 'Replaced by PCO5'	-	0 17-Jul-15 A			25		.2313C-460 'R	
m mapper (N.12) (C-40) m m mapper (N.12) (C-40) m m m m m m m m m m m m m m	NPLS-J-RAx	Mag & Dig for Repair (N1.23) (C-460) (PCO5)	S	0 17-Jul-15 A		\$	2/		1.23 (C-460) (PC	
Contact Present (PL-20) Contact Present	NPLS-J-RB	Perform Repair (N1.23) (C-460)	-	0 09-Aug-15		s	2)		8	
	NPLS-J-RC	Repair Coating Repair (N1,23) (C-460)	-	0 12-Aug-15			25		ating Recar (N1	
State Parks Park	NPLS-J-RD	Backfill Repair (N1,23) (C-460)	-	1 02-Oct-15	02-Oct-15				ckfill Repair (NY 23) (0 460)	
tan in Negari (N.1.27, LPD10) (C-461) Topolace by PCOP	NPLS-K-HPV	7 HPV Repair (HPV7-South) (C-461) b uby Boodir (LBV)s Couth) (C-461)	നെ	3 01-0ct-15	05-Oct-15		8 2		Repair (HPV8-South) (C	
A Dig to Repairs (N. 27, LPD10) (C-461) 1 Disciplinity (N. 27, LPD10) (C-461) N C <th< td=""><td>NPLS-K-LA</td><td></td><td>· -</td><td>0 16-Sep-15</td><td></td><td></td><td></td><td></td><td>epair (N1.27, LPD 0) (C-461) "Replac</td><td>SOD4</td></th<>	NPLS-K-LA		· -	0 16-Sep-15					epair (N1.27, LPD 0) (C-461) "Replac	SOD4
Page 1912 PD09 (C-48) 1 1954p+15 65011 5 9 9 9 9 9 9 9 9 9	NPLS-K-LAx	Mag & Dig for Repair (N1.27, LPD10) (C-481) (PCO5)	9	0 16-Sep-15		\$	υ		& Dig for Repetif (N1:27, LP	
Coulting Plants (N.1.27, LD10) (C-467) C-462 C-4	NPLS-K-LB	Perform Repair (N1.27, LPD10) (C-461)	-	1.30-Sep-15.			- Ω		our (KL27, PD10	
In Separation (C-46) 1 12-CO-L15 22-CO-L15 3 56 56 56 56 56 56 56 56 56 56 56 56 56	NPLS-K-LC	Repair Coating Repair (N1.27, LPD10) (C-461)	-	1 19-Oct-15	19-Oct-15		25		ring Repair N1.2	
1 1 1 1 1 1 1 1 1 1	NPLS-K-LD	Backtill Repair (N1.27, LPD10) (C-461)	- 1	1 22-Oct-15	•••		78 7		pair (N1.27, LPD)	P P C C P
L Dig for Figure (PF, DZ, N1.30H1.35) (PCDS) (C-462) 12 0 68-59p-15.A WC WC PCD (N1.30H1.35) (PDD) (N1.30H1.35) (C-462) mm Repairs (PF, DZ, N1.30H1.35) (C-462) 3 0 16-53p-15.A WC Septembries PCD (N1.30H1.35) (PDD) (N1.30H1.35) (C-462) c county (PF, DZ, N1.30H1.35) (C-462) 3 0 16-53p-15.A 1 16-62p-15.B 2 2-62p-15.B 2 2-62p-15.B <th< td=""><td>NPLS-L-VA</td><td>Excavate for Repairs (DF1, DV2, N1.30-N1.35) *Replaced by PCO5* (C-462)</td><td>~1</td><td>0 08-Sep-15</td><td></td><td></td><td></td><td></td><td></td><td>\$</td></th<>	NPLS-L-VA	Excavate for Repairs (DF1, DV2, N1.30-N1.35) *Replaced by PCO5* (C-462)	~1	0 08-Sep-15						\$
Packer P	NPLS-L-VAx	Mag & Dig for Repairs (DF1, DV2, N1.30-N1.35) (PCO5) (C-462)	12	0 08-Sep-15		s	2		& Dig for Hepairs (DF), DVa	0.452)
1 16 COR-15 2 20 COL-15 2 20 COL-15 2 2 20 COL-15 2 2 2 2 2 2 2 2 2	NPLS-L-VB	Perform Repairs (DF1, DV2, N1.30-N1.35) (C-462)	e	0 16-Sep-15/		\$	Q		orm Repairs (DFt, DVE, NT.	
2 2-0-Co-15 1-0-Co-15 3 5-6	NPLS-L-VC	Repair Coating Repairs (DF1, DV2, N1,30-N1,35) (C-462)	-	1 16-Oct-15	16-Oct-15		PG		Repair Couling Repairs (DF1 DV2, N1.30-N1.35)	(2)
Property (1975) Property (NPLS-L-VD		01 0	2 20-0ct-15	21-Oct-15		70 1		Backfill Haparis DF1 DV2	
Degion Repairs (N.1.38. LPD14) (PCD5) (C-463) 5 0.01-Sep-15A 0.05-Sep-15A WC Percentage (N.1.38. LPD14) (C-463) mm Repairs (N.1.38. LPD14) (C-463) 1 0.02-Oct-15 0.02-Oc	NPLS-M-HP1		n - -	3 09-001-13 0 01-Sep-15			3 3		ate for Repairs (N1.36, LPD 4) *Replaced by PC	(C-463)
Trocating Repairs (N1.38 LPD14) (C-463) Trocating Repairs (N1.38 LPD14) (C-463) Trocating Repairs (N1.38 LPD14) (C-463) Trocating Repairs (N1.37 & N1.36 LPD14) (C-463) Trocating Repairs (N1.37 & N1.36 LPD14) (C-463) Trocating Repairs (N1.37 & N1.36 LPD13) (C-463) (C	NPLS-M-LAx	Mag & Dig for Repairs (N1.38, LPD14) (PCO5) (C-463)	ស	0 01-Sep-15		s	Q		Nag & Dig for Popairs (N1,38, LP	
The pairs (N1.38 LPD14) (C-463) The pairs (N1.38 LPD14) (C-463) The pairs (N1.38 LPD14) (C-463) The pairs (N1.38 LPD14) (C-463) The pairs (N1.38 LPD14) (C-463) The pairs (N1.37 & N1.36 LPD13) (C-463) The pairs (N1.37 & N1.36 L	NPLS-M-LB	Perform Repairs (N1.38, LPD14) (C-463)	-	0 09-Sep-15		\$	9		(N1.38, LFD14)	
Hoppins (N.137 & N.1.36, LPD13) (C-463) Hoppins (N.137 & N.136, LPD13) (C-463) Hoppins (N.137 & N.136, LPD13	Olon	Banais Continu Banaire (NJ 38 1 PD14) (C.463)	+	1 02-Oct-15	02.0<1.15				pai Coating Repairs (N1.38	
State Control Contro	NPLS-M-LD	Backfill Repairs (N1.38, LPD14) (C-463)		1 07-Oct-15	07-Oct-15				III Repairs (N1.38, LPD1	
Big for Repairs (N1.37 & N1.36, LPD13) (C-463) (PCO5) (PCO	NPLS-M-RA	Excavate for Repairs (N1.37 & N1.36, LPD13) (C-463) *Replaced by PCO5*	-	0 17-Aug-15					ovate for Repairs (N) 37 & N1.36	ppeced by
m Repairs (NI.37 & NI.36, LPD13) (C-463) r Coating Repairs (NI.37 & NI.36, LPD13) (C-463) r Co	NPLS-M-RAx		9	0 17-Aug-15/		s	Q		Dig for Repairs (NI.37 & N1.35, LPD13) (C-463) ((F)
Coaling Repairs (N1.37 & N1.36, LPD13) (C-463) 1 0.28-Aug-15 A 28-Aug-15 A 5-4 1-4	NPLS-M-RB	Perlom Repairs (N1.37 & N1.36, LPD13) (C-463)	-	0 24-Aug-15/		S	2		pairs N1.37; & N1.36, LF	
If Repairs (N1.37 & N1.36, LPD13) (C-463) 1 06-Oct-15 06-Oct-15 02-Oct-15 02-Oct-15 03-S5 5d 1 06-Oct-15 02-Oct-15 03-S5 5d 1 06-Oct-15 03-S5 5d 1 06-Oct-15 03-S5 5d 1 06-Oct-15 03-Oct-15 03-S5 5d 1 06-Oct-15 03-S5	NPLS-M-RC	Repair Coating Repairs (N1.37 & N1.36, LPD13) (C-463)	-				35		Coating Phosins: N1.37 & fill	
Land for Repairs (DV-3) (C-463) Teplaced by PCO5 2 2 01-0c1-15 02-0c1-15 355 5d 1 15-0c1-15 10-0c1-15 10-0	NPLS-M-RD	Backfill Repairs (N1.37 & N1.36, LPD13) (C-463)	-	1 06-Oct-15	06-Oct-15		PG		611 Repairs (MT.37 & N1.35, LPD13) (C-463)	
B og for Repairs (DV-3) (C-463) 3 3 08-Oct-15 -3 WC	NPLS-M-VA	Excavate for Repairs (DV-3) (C-463) *Replaced by PCO5*	2	2 01-Oct-15	02-Oct-15				ate for Hepairs (DV-3) (L-453) "Heplaced by"	, a
mm Hopatis (UV-3) (U-463) 3 3 10-Oct-15 13-Oct-15 -3 WC To cating Repairs (UV-3) (U-463) 3 1 15-Oct-15 13-Oct-15 -3 56 TASK filter: All Activities TASK filter: All Activities	NPLS-M-VAX	Mag & Dig for Repairs (DV-3) (C-463) (PCO5) *On hold PCO-004	4 (4 01-Oct-15	07-Oct-15		Q <u>Q</u>		om Repars (DV-3 (C-48)	<u></u>
Actual Work Critical Pernaining Work Page 16 of 25	NPLS-M-VB	Perform Hepairs (UV-3) (U-463) Repair Coatino Repairs (DV-3) (C-463)	m —	3 06-Oct-15 1 15-Oct-15	15-Oct-15		2 78	-	ilr Counting Repairs (DV-3	
Actual Work Critical Permaining Work					!					
	Remaining Level	Actual Work			Page	16 of 25		TASK filter: All Activities		

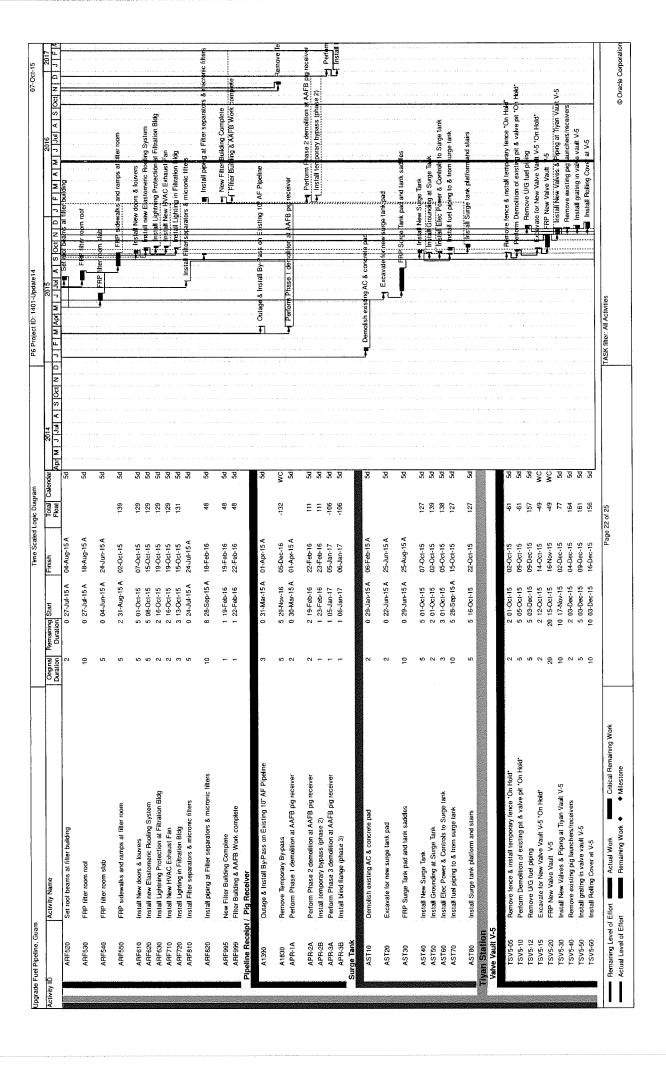
Activity ID Activity Name NPLS-M-VD Backtill Repairs (DV: Sasa Valley Pumphouse Area Demolition	Activity Name	Original Remain	maining Start	Firush	Total Calendar	3014		
NPLS-M-VD Br sa Valley Pum: Demolition		Duration	Juration	_	Float	And M	2015 20 20 20 20 20 20 20 20 20 20 20 20 20 2	16 In N 13 Oct N 10
Jemolition	Backtili Repairs (DV-3) (C-463)	2	2 16-Oct-15	19-Oct-15	-3	ps	Backiii Repairs (DV-3) (C-63)	
SVDM100 Pe	Perform Site Civit Demolition at SASA Valley	0	0 29-Jan-15 A	24~Jul-15 A	\$6	29	Perform Sire Crit Depolition at SASA Valley	
SVDM210 Re	Relocate existing ATG & Motor starter & control valve panel "ATG on hold persons SPAWAR	10	0 18-Mar-15 A	22-Apr-15 A	ъ		Į.	valve panel *ATG on hold pending SPAWA
SVDM220 De	Demolish U/G piping (loam, skim, storm & drain)	5	0 31-Mar-15 A	25-Jun-15 A	3	P S	Demolish UG pping (loam skin, stom & drain)	
SVDM230 Ab	Abandon in place seplic tank	23	0 15-Jun-15 A	30-Jun-15 A	e e		Abandor in place septic pink	
SVDM240 Re	Relocate existing fire hydant & eye wash station	ĸ	0 02-Jun-15 A	24~Jul-15 A	ıc.		Relocate existing fire nydarif S eye wash station	
SVDM250 Pe	Perform demolition at existing ATG room	10	0 24-Apr-15 A	24-Apr-15 A	·c	p 5	Perform demolition at least ing ATQ room	
SVDM260 Pe	Perform demolition at existing manifold pit	10	10 30-Oct-15	13-Nov-15		70	Perform demetition at existing manifold pit	anifold pit
	Perform pumphouse roof demokition	10	10 01-May-15 A	17-Dec-15	84	2d	тотт ришр	molition .
SVDM310 Pe	Perform Piping Demolition at Pumphouse	15	15 16-Nov-15	08-Dec-15			Performi Permina Demointon at Pumphous	Pumphouse
	Remove existing sump pump and modify sump pit	10	10 02-Dec-15	15-Dec-15	83 5	PS	no.	mp pump and modify sump pit
SVDM510 De	Demolish OE from KA-34-11 to T-1 & T-2	ro.	0 19-Jun-15 A	15-Jul-15 A	S	B	Demolsh OF four KA AL 116 T-1	
SVDM520 De	Demolish OE from KA-34-9 to PH	2	0 19-Jun-15 A	17-Jul-15 A	υ.	B	Demod sir DE from KA84-9 to PH	
SVDM530 De	Demolish existing ATG antenna & conduit	64	0 26-Mar-15 A	26-Mar-15 A	LC.		☐ Demoish exiting ATG antenna & content	
SVDM540 De	Demolish existing OE CCTV	•	0 26-Mar-15 A	26-Mar-15 A	r.	P S	Demblish lowsking OE OCT	
Stework								
SVSW110 Ins SVSW120 Ins	Install area inlets & UG 8" & 15" PVC drain piping Install Install U/G 8" DIP water line	5 10	5 01-Oct-15 3 29-Jun-15 A	07-Oct-15 13-Oct-15	133 5 133 5	P 9	Install area nieks & U/G 8" & 15" PN	15" PVC drain piping er line
SVSW130 Ins	Install U/G 2" water line	ო	0 29-Jun-15 A	30-Jul-15 A	zo.		Install NAG 2" water I" e	
SVSW140 Ins	Install 6" DIP at spill control & truck containment area	5	0 28-Jul-15 A	10-Aug-15 A	மி		hstall 6" DIP at spill control & thick contain	containment area
SVSW210 Ins	install New U/G Elec Conduit from MH-29 to MH 30 & existing Xfmrs	10	0 29-Apr-15 A	22-Jun-15 A	S		ns all seew U.G.E.ee Commit 1755n MH-29 to MH 30 & existing	& existing K mrs
SVSW220 Ins	Install New U/G Comm Conduit from MH to Gen Bldg & PH	10	0 24-Aug-15 A	31-Aug-15 A	r.	33	nstall New U.G. Downt Conduit from MH	om MH to Gen Bldg.8 PM
SVSW230 Ins	Install U/G etc conduit from MH 29 to Generator building & T-3	5	0 24-Aug-15 A	31-Aug-15 A	ı,	***************************************	ns all DG elc cardui from MH 29 to Ge	9 to Generator building & F-3
SVSW240 Ins	Install New U/G Elec conduit from Gen Bldg to New PH	ĸ	0 31-Aug-15 A	28-Sep-15 A	LÔ	·	install New UGE Elec corduit rom G	ram Gen Bldg to New PH
	install new U/G elec conduit from PH to security camera	ĸ	5 01-Oct-15	07-Oct-15			Install now L/G elec conduit	to security damera
	Install U/G conduit to additive tanks	2	2 08-Oct-15	09-Oct-15		•	or dia to ad	
SVSW260 ins	instail Uts conduit for EFSO system Install New Retaining Walls	20	1 13-Oct-15 5 27-Jul-15 A	13-Oct-15 28-Dec-15	129 5d 83 5d		L. TISTAN PRINCIPLY WAIST	. · ·
SVSW420 FR	FRP sidewalk from diesel tank to truck containment	ო	3 16-Dec-15	18-Dec-15			F F Stdewalk from diesel	diesel tank to truck ortainment
SVSW430 FR	FRP sidewalk at new pig launcher pad Modity Power Pole near MH -38	un e	5 21-Dec-15	28-Dec-15	28 28 23	25.3	Tip sidewalk at	ew pig launcher pad
	July 19 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -) c			, i			
SVSW720 MG	Modily Power Pole near (-1	m	0 20-Jun-15 A	22-Jun-15 A	3		MODEL IN COMM	
SVSW810 Pu	Pull wire and Terminate for EFSO system	ç	5 14-Oct-15	20-Oct-15	129 5d		The purity and reminate for EFSO system	ystem /stem
Remaining Level of Effort	or Actual Work Critical Remaining Work			Page 17 of 25	of 25		TASK filter: All Activities	

Activity ID	Activity Name	Onginal Rer	Remaining Start	Finish	Total Calendar	2014	1 2 1	2015 2016 2016	4 1000
		Duration	a ration		16031	Mand M. July: A Soci	,	M C C C C C C C C C C C C C C C C C C C	200
New Pump Ho	New Pump House & Manifold Pit								
Pumphouse	The state of the s		30 40	30 0 30				Pull & Teminate cont	control wine from
SVEG490 SVPH100	Full & Teminate control wire from VFD's to pumps Excavate for new pumphouse	<u>.</u> 04	0 27-Apr-15 A	28-Sep-15 A	o 40	7 28		Light Sign	
9	Install of stilled shofts for Direct Dance Consists	ę	A 21-2-1-15 A	20. Jun. 15.A	ur			Install 24" billed shafts to Fumb House (south)	
SVFHIIO	instal 24 drifted shans for Purip House (south)	70	0.000	A DI LIBO DO	,				
SVPH120	Install 36" drilled shafts for pump house	53	0 26-May-15 A	30-Jun-15 A	r.			Install 36" chilled shafts to pump bouse	
SVPH130	install 24" drilled shalts for Pump House (north)	20	0 13-May-15 A	30-Jun-15 A	un			Install 24 milled shafts to Fund House (North)	
SVPH210	Install drain nine & grates under slab	m	3 01-Oct-15	05-Oct-15				Install drain tripe & glates under slab	
SVPH220	Install U/G elec conduit under new PH floor	10	2 10-Aug-15 A	22-Oct-15	58	B		I It's all U/B elect conduit under new PH floor	ō
SVPH230	Install U/G control conduit under new PH floor	ນາ	2 10-Aug-15A	26-Oct-15	58			Install U.G. conduit under new PH floor	00
CVBHOAD	Install Groundine for new DH & numbs	e	3 21-Oct-15	23-Oct-15	5			Install Grounding for sew PH & pumps	
SVPH310	install New pump foundations	10	0 20-Jul-15 A	31-Jul-15 A				Install New pump foundations	
SVPH320	FRP PH building footings	10	10 24-Aug-15 A	20-Oct-15	25			FRP PH mikking footings	
SVPH330	FRP PH stab	S	5 27-Oct-15	02-Nov-15				OPPER DE LA COMPANIA	
SVPH340	Install New pump house walls	10	10 21-Sep-15 A	17-Nov-15	58			on on one	
SVPH410	Install 3 New 5 ton monorail systems	10	10 18-Nov-15	03-Dec-15		33		1 New 5	
SVPH430	Install New Pump House Doors, Windows & Louvers	10	10 18-Nov-15	03-Dec-15				Install Rev Hump Ho	ndows & Duver
SVPH440	Install New Pump House Roof	£ :	15 04-Dec-15	24-Dec-15		3 (The sear control con finishes IAW	AW A
SVPH460	install control room finishes IAW A-101	8, '	20 28-Dec-15	26-Jan-16		7.7		Hoof Acc	
SVPH470	Install Hook Access Ladders	n 4	5 28-Jec-15	03-Fab-16		8.5		laste	Systen
SVPHS10	Install Elastoment nooning System Install New HVAC discrission	· =	10 04-Dec-15	17-Dec-15				HVAC	
SVPH520	Install Fire Alarm System	9	5 28-Dec-15	04-Jan-16		38		at Fire Marm	
SVPH530	Install overhead lighting in new PH	5	5 28-Dec-15	04-Jan-16		3	-	Install overhead	_
SVPH540	Install overhead lighting in Control & Mech Room	2	5 28-Dec-15	04-Jan-16		38		Install overhead	rol & Nech Robr
SVPH550	Install Lightning Protection at PH	3	3 28-Dec-15	30-Dec-15		29		Asiali Lightning rotection at PH	-
SVPH610	Install New Fuel Pumps	50	20 08-Feb-16	07-Mar-16		28			
SVPH620	Install New Fuel piping in new pump room	10	10 08-Mar-16	21-Mar-16		25		Install New Picing in Fixed	visting Prom Boom
SVPH630	Install New Piping in Existing Pump Room	∵	5 08-Mar-16	14-Mar-16 27-1an-16	18 58 5	D. 12			
SVPH720	Complete A/G Electrical Grounding & Lighting in New Pump House	- 02	20 08-Mar-16	04-Apr-16		- 25		Complete A/G Electrical	Greendi
SVPH810	Tierin globa to existing bump room for P2 Pipeline (South)	n (5 15-Mar-16	21-Mar-16		75			mp loam
SVPHB20	Test Fire Atarm System	S	5 05-Jan-16	11-Jan-16				щ.	
SVPH840	Test and Bajance HVAC system	S	5 05-Apr-16	11-Apr-16		P ₅		Ī	HVAC sys em
SVPH850	Test 5 Ton monorall system	-	1 04-Dec-15	04-Dec-15	98			Test 5 top moneral system	
SVPH999	Pump House Complete	1	1 27-Apr-16	27-Apr-16	0 5	26		Cura during House Court	
SVMP10	Excavate for new manifold bit	20	0 17-Aug-15 A	28-Sep-15 A	5			Excavate former marifold pit	
		5	0					FEP new manifold of control RF#109	
SVMP20	FRP new manifold pit "on hold RFI#109	5 20	20 01-Oct-15	29-Oct-15	0. t	7		Install New Main	_
SVMP30	Install New Maintold Pit Plang	R "	20 30-Oct-15	01-Dec-15		3 7		Tie-is piping in new mani	manifold of to Pipeline
SVMP40	Tie-in proving in new manifold pit to repenne nz (South) Install new platform over manifold bit	ກະຕ	5 02-Dec-15	08-Dec-15	97 5	3 28		new platform	#
SVMP60	Modify Cathodic Protection System at Manifold Pit	. 2	2 02-Dec-15	03-Dec-15		703		Modely Cathodic Protection	ğ.
SVPH830	Tie-in piona to existing pump room for Pipeline P1 (North)	5	5 06-Jun-16	10-Jun-16		-		at Buicket un-et.	ng ta existing pump room
Elec/Generator Building	r Building								
Remaining Level of Effort	of Effort Actual Work Critical Remaining Work			Page	Page 18 of 25		TASK filter: All Activities	ctivities	
,									

Comparison Com		Uporade	Upgrade Fuel Pipeline Guam	UI			Time Cealed	Sould Disco			Of Gradest D.	1401 11-1-1-1		
		A contract of					Time Scaled	ogic Diagra			ra rivjeci iD.	1401-Update 14		07-Oct-15
Comparison of the presence of the big of t	Commonwealth Comm	Activity II	,	Activity Name	Original	Remaining Start Duration	Finsh	Float Ca		2014 M J Jul A S Oct N	A LIFT M App	S	2016 D	
Fig. 2 This collection is the collection of the	Fig. 20 contact the first of		SVEG100	Excavate for new elec/generator building	3	0 30-Mar-15 A	17-Apr-15 A					96	lor bullang	
10 20 20 20 20 20 20 20	Fig. 10 Control Legislation Control Le		SVEG110	Install 24" drilled shafts for Gen building	15	0 06-Jul-15 A	12-Aug-15 A		ß			instal 24 dr.	je j	
Page Company of Action Page Company of Action Page Company of Action Page Company of Action Page Company of Action Page Company of Action Page	March Secretary March Secretary March Secretary Secretary March Secr		SVEG120	Install 30" drifted shafts for Gen building	15	0 27-Apr-15 A	12-Aug-15 A		2q			nsta 30 dr.	Ger buil	
Final percent billing width 1	Find process backed with a part of the p	.	SVEG210	FRP generator building footing	10	10 21-Oct-15	03-Nov-15	2	25		-	Ţ	erator building for	
State Stat	Figure 19 Figu		SVEG220	Install generator bulkding walls	8	20 04-Nov-15	04-Dec-15	73	æ			1	all generato buil	
Particular control processed by 1 miles 15 miles	The content content with the content w	S S	SVEG230	Install generator day lank & pad	2	5 04-Nov-15	10-Nov-15	93	3			P.	penerator day tank & pad	
Processor Proc	## 1	253	SVEG240	Install U/G conduit under generator Bidg Floor	10	10 04-Nov-15	18-Nov-15	75	R			!	Vis conduit under generator Bkdg Fr	
Exercise Control Con	## Secretary (1997) 1997 1		SVEG250	Install grounding at Generator Bldg	en (3 04-Nov-15	06-Nov-15	115	8			,	Among at Gene	
Productive bases Productive	Part Part		SVEG310	The Generalor roundation		0 10-Sep-15 A	15-Sep-15 A		8			3 -	ō	
	Fig. Secretary Fig.		SVEG320	FRP Transformer pad T-3	6	3 01-Oct-15	05-Oct-15	76	29			2	ner bad	
Figure 10 Figu	1 1 1 1 1 1 1 1 1 1		SVEG330	FRP Switchgear & VFD equipment pads	ĸ	5 01-Oct-15	07-Oct-15	Ε	25			7	ear & VFD equa	
Figure 19 19 19 19 19 19 19 19	Second Second	e _{se}	SVEG340	FRP Generator Bldg slab	က	3 19-Nov-15	23-Nov-15	25	25			1 1	enemator Blog s	
State Stat	State Sta		SVEG410	Install new Transformwer T-3	2	2 29-Jan-16	01-Feb-16	0	ρŞ				new T	
Mail Michael Mail Annual	Fig. 20 Fig.		SVEG420	Set Switchgear & VFD	ę,	5 29-Jan-16	04-Feb-16	37	ß				Switchg	
Fig. 25 Fig.	Polity of the control of th		SVEG430	Install MCS-1 & MCS-2 in electrical room	5		02-Dec-15	ĸ	PG.			f '	I MGS- & MCS-2 in electrical room	-
Figure 100 Fig	A		SVEG440	Pull & Teminate power wire from T-3 to MCS-1 & MCS-2	5		23-Feb-16	0	ß			****	Pull & Ten inate power wire fro	•
1 2 2 2 2 2 2 2 2 2	A sectional process of the control		SVEG450	Install VFD-TP-5, VFD-TP-6 & VFD-TP-7 in electrical room	- <u>'</u>	1 03-Dec-15	03-Dec-15	Z '	Β.				I VED-IP-5, VHD-TP-6 & VED-TP-	
Fig. 20 State Control to Demonstrate C	1 1 1 1 1 1 1 1 1 1		SVEG460	FUH & Terrinate power wife from MCS-1 & MCS-2 to VFD's	35	15 24-Peb-16	15-Mar-16	0	8				IN & eminate power wire	
Figure 10 10 10 10 10 10 10 10	Part Part		SVEG480	instangenerator	υĻ	5 01-rep-16	05-Feb-16	8 9	3 3				ene ator	
Progression of the progression	Page Page	11315	SVEG480	Full of Terminate power wife from VFLJS to pumps	ئ. د ئ	15 16-Mar-16	05-Apr-16	0 8	Z :				Full & leminate power	Ę
Part Part			SVEGSIO	Ilistali New Looks & Louveis ERP panarator building roof	υ ÷	15 U/-DBC-15	28-Dec-15	Q	2 2				900	
1 12 12 12 12 12 12 12	Partial free Actions of power		SVEG530	Install decorative masons at generator building	ē r	5 23-Feb-16	24-Feb-16	8 6	3 3				corative masoner a	ř
Page 1902 Page 1902 Page 1903 Page	Figure Procession Proces		SVEG540	Install new building & room sionage			23-Feb-16	; 6	3 3					
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1 124 Elaborameir Rodino System 15 Elaborameir Rodino	Install Battonion Reading System Install Batton		SVEG560	Install overhead lighting in Generator Bkig	5	5 23-Feb-16	29-Feb-16	4	ß					ō
First Decreation and Connection an	Treat decimal between the containment of the conta		SVEG570	Install Elastomeric Roofing System	2	5 24-Feb-16	01-Mar-16	40	2 9					5
1 10 10 10 10 10 10 10	Institution of the continue		SVEG580	Install Lightning Protection at Generator Bldg	n	3 31-Dec-15	05-Jan-16	73	B				Install Lightning Protection at Gener	-
Complete Activities Decention building Complete Co	Trigital black of Betal strange lank Secretaria Sec		SVEG590	Test Generator	5	5 06-Jan-16	12-Jan-16	73	ያ				Test Generator	
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W Pig Launcher Pad ■ Actual Work ■ Critical Remaining Work ● Wilestone ■ Remaining Work ◆ Wilestone	W Pig Launcher Pad ■ Actual Work ■ Critical Remaining Work ● Williestone ■ Remaining Work ◆ Williestone		SVPL10	FRP Pig launcher pad	24	2 14-Dec-15	15-Dec-15	982	ß				FFP Pil launcher pad	
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			Actual Level of Et	Remaining Work •									Ö	Oracle Corporatio

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President of the control of the co	li Electrical	Substation & Duct Bank								
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Protection Pro	PESS1780	Perform Site Demolition Work at Piti Substation	5		09-Feb-16		70			Dogue
Particular benome yellowed between yellowed by the biology of th	PESS1850	Remove Replace Concrete & Asphalt as Required	15		24-Feb-16		•		donare concrete approp	
Pettern activation to estating secretary libers 2 2 0 methods 2 0	PESS2960	Provide Temporary Power/Switching for circuit P-2	61		08-Feb-16				no fencing & install ter	; (
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20 20 20 20 20 20 20 20	PESS3760	Perform demolition to existing switchgear building	rc O	5 10-Feb-16	17-Feb-16					,
2	PESS3770	Install new switchgear in building	50	20 25-Feb-16	23-Mar-16				ir existing swatchor	, <u>E</u>
200 Figh Pays December De	PESS3780	Repair existing switchgear building masonry wall	10		06-Apr-16					O'DO PINE
Fig. 24 Fig. 25 Fig.	PESS3790	Excavate for new transformer pad *On Hold PCO-4*	ou ;	2 10-Feb-16	11-Feb-16				Ver Transformer Pad	
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2	PESS3810	Install decorative masonry wall around transformer	an i	5 0/-Apr-16	13-Apr-16				. Y	Incal Duct B
1 1 1 2 2 2 2 2 2 2	PESS3820	Install New Supports for Electrical Duct Bank	10	10 28-Mar-16	08-Apr-16					- Jo
Provide Prov	PESS3840	Pull wire & terminate from transformer to MH-1	2 1	2 28-Mar-16	29-Mar-16				-	eele
2 2 11-Feb-16 12-Feb-16 35 50 50 50 50 50 50 50 50 50 50 50 50 50	PESS4500	Piti Substation Complete	,	1 14-000-16	14-Jun-16					or orcuit P-
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990 Remove existing 14, 11-12-14, 11	PESS4960	Provide Temporary Power/Switching for circuit P-6	n o	2 11-reb-16	12-reb-16		· · ·			
12-Feb-16 11-Feb-16 11-F	PESS49/0	Hemove existing 18 Iransformer	N L	27-1-0-10 2 30 f.=1 40	20-reb-16				visting T-8, P-1, P-2	
Page 20 125	PESS4980	Hemove existing 1-8, F-1, F-2, F-4 & F-5 switchgear	n c	3 16-reb-16	44-FeD-10				sting grounding	
Tright law Authorition Pipe Biss Tright law Authorities Tright law Authorition Pipe Biss Tright law Authorition P	PESS4990	Demolish existing grounding	v -	1 12.Feb-16	12-Feb-16		· · · · · · · · · · · · · · · · · · ·			
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24 24 24 24 24 24 24 24	0202020	install New Alonning in the Dus	2 5	10 25-Apr-16	06-May-16				Install New 34.5 KV	ron switch
650 Pull Cable & Terminate from switchgear to Circuit P-2 650 Pull Cable & Terminate from switchgear to Circuit P-5 650 Pull Cable & Terminate from switchgear to Circuit P-6 650 Pull Cable & Terminate from switchgear to Circuit P-6 650 Pull Cable & Terminate from switchgear to Circuit P-6 650 Pull Cable & Terminate from switchgear to Circuit P-6 650 Pull Cable & Terminate from switchgear to Circuit P-6 650 Pull Cable & Terminate from switchgear to Circuit P-6 650 Pull Cable & Terminate from switchgear to Circuit P-6 650 Pull Cable & Terminate from switchgear to Circuit P-6 650 Pull Cable & Terminate from switchgear to Circuit P-6 650 Pull Cable & Terminate from switchgear to Circuit P-6 650 Pull Cable & Terminate from switchgear to Circuit P-6 650 Pull Cable & Terminate from switchgear to Circuit P-7 650 Pull Cable & Terminate from switchgear to Circuit P-7 650 Pull Cable & Terminate from Switchgear to Circuit P-7 650 Pull Cable & Terminate from Switchgear to Circuit P-7 650 Pull Cable & Terminate from Switchgear to Circuit P-7 650 Pull Cable & Terminate from Switchgear to Circuit P-7 650 Pull Cable & Terminate from Switchgear to Circuit P-7 650 Pull Cable & Terminate from Switchgear to Circuit P-7 650 Pull Cable & Terminate from Switchgear to Circuit P-7 650 Pull Cable & Terminate from Switchgear to Circuit P-7 650 Pull Cable & Terminate from Switchgear to Circuit P-7 650 Pull Cable & Terminate from Switchgear to Circuit P-7 650 Pull Cable & Terminate from Switchgear to Circuit P-7 670 Pull Cable & Terminate from Switchgear to Circuit P-7 670 Pull Cable & Terminate from Switchgear to Circuit P-7 670 Pull Cable & Terminate from Switchgear to Circuit P-7 670 Pull Cable & Terminate from Switchgear to Circuit P-7 670 Pull Cable & Terminate from Switchgear to Circuit P-7 670 Pull Cable & Terminate from Switchgear to Circuit P-7 670 Pull Cable & Terminate from Switchgear to Circuit P-7 670 Pull Cable & Terminate from Switchgear to Circuit P-7 670 Pull Cable & Terminate from Switchg	PESSEN	Pull Cable & Terminate from switchness to Circuit P8	, vo	5 16-Mav-16	20-May-16					from switch
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10 20 20 20 20 20 20 20	PESSON	Put Cable & Terminate from switchness to Circuit Pus			06-Jun-16		70		Pull Cable & Termin	e from switc
Second S	PESS5070	Pull Cable & Terminate from switchness to Circuit P-1	ı vc	5 07-Jun-16	13-Jun-16				Pull Cable & 🖟	ate from swit
10 10 10 10 10 10 10 10	PESS5080	Install new cable from T-8 to New Switchgear	ري د	5 09-May-16	13-May-16				Install new cable fi	B to New Sw
100 Excavate and install MH 1A 1 1 1 1 1 1 1 1 1	PESS5090	Install U/G duct bank from MH 1A to transmission connections	10	10 17-Dec-15	31-Dec-15				ank from MH 1A to	mission conr
Color Excavate & Install MH+ 1 though MH+5 **On Hold PCO4* 10 01-Oct-15 41 5d 41 5d 5d 41 5d 5d 41 5d 6d 10 10 01-Oct-15 7 5d 8 5 22-Dec-15 2 2-Dec-15 2 2-Dec	PESS5100	Excavate and install MH 1A	64	2 15-Dec-15	16-Dec-15				Excavate and insta	
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stall 4W G* C duct bank from MH+ 10 MH+5 5 5 10-bec-15 2 1-bec-15 2 1-bec-15 2 2-bec-15 2 2-bec-15 <td>PEDB20a</td> <td>Excavate & Install MH- 1 though MH-5 "On Hold PCO4</td> <td>2 '</td> <td>10 01-Oct-15</td> <td>19-Oct-15</td> <td></td> <td></td> <td></td> <td></td> <td>ķ</td>	PEDB20a	Excavate & Install MH- 1 though MH-5 "On Hold PCO4	2 '	10 01-Oct-15	19-Oct-15					ķ
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Vault Upgrades on Navy Pipeline 2 North V4 3 3 15-Sep-16 -132 WC PC	VH-N-H-V		33	3 17-Jun-16	21-Jun-16					2 0 0
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Variation Var	A TI WIGH			1 21.San.16	21-San-16			-		Repair Coating on Na
1 128-Sep-16 22-Sep-16			- ,	2 40 000	01 000					
3 28-Sep-16 24-Sep-16 2	V-H-N-IAV		_	1 22-Sep-16	91-dec-22			-		
ale for Repairs (NZ.30, LPD9 & NZ.31) (G-60) Tep/aced by PCO5* 1 01-Oct-15 336 WC	APLN-14		ო	3 26-Sep-16	28-Sep-16					
Dig (POOS) for Repairs (Nz.30, LPD9 & Nz.31) (C-460) 1 1 29-Sep-16 127 WC Coaling Repairs (Nz.30, LPD9 & Z.31) (C-460) 1 1 29-Sep-16 127 WC Coaling Repairs (Nz.30, LPD9 & Z.31) (C-460) 1 1 04-Oct-16 04-	AJ-I-NJ-I-LA		-	1 01-Oct-15	01-Oct-15				Repairs	310
Dig (PCOS) for Repairs (Nz.30, LPD9 & Nz.31) (C-460) 3 19-Jul-16 21-Jul-16 WC Magnetic (Nz.30, LPD9 & L3.1) Magnetic (Nz.20, L3.1) Magnetic (Nz.20, L3.1) Magnetic (Nz.20, L3.1) Magnetic (Nz.20, L3.1) Magnetic (Nz.20, L3.1) Magnetic (Nz.20, L3.1) Magnetic (Nz.20, L3.1) Magnetic (Nz.20, L3.1) Magnetic (Nz.20, L3.1) Magnetic (Nz.20, L3.1) Magnetic (Nz.20, L3.1) Magnetic (Nz.20, L3.1) <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td>								-		
m Ropairs (Nz.30, LPD8 & z.31) (C-460) Conting Repairs (Nz.30, LPD8 & z.31) (C-460) Conting Repairs (Nz.30, LPD8 & z.31) (C-460) To discord Repairs (Nz.30, LPD8 & z.31) (C-460) To discord Repairs (Nz.30, LPD8 & z.31) (C-460) To discord Repairs (Nz.37) (C-460) To discord Repairs (Nz.27) (C-460) To discord Repa	AJ-I-NJGN		ຕ		21~Jul-16					ă
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Repair (N2.27) (C-46) 1 (04-Oct-16 04-Oct-16 0	J.LINIGN		-	1 03-Oct-16	03-Oct-16					
ate for Repair (N2.27) (C-460) Replaced by PCO5* 1 101-Oct-15 01-Oct-15 01-				1 04-Oct-16	04-0-16					Backfill Repairs (NZ
ate for Hepari (N.E.Z.) (C-460) Hepareed by P.CU3- 1 101-0c1-13 0 WC Dig (P.CO5) for Repair (N.E.Z.) (C-460) 1 1 21-Sep-16 21			- ,	2000	21.00				for Repair	7
Dig PCOS) for Repair (Nz.27) (C-460) 3 3 30-Jun-16 06-Jul-16 -106 WC In Repair (Nz.27) (C-460) 1 1 21-Sep-16 21-Sep-16 -132 WC TASK liter All Activities Page 24 ol 25 Pag	NPLN-I-R		-	1 01-Oct-15	01-Oct-15					Ĭ
m Repair (P.Z.27) (C-460) ■ Actual Work ◆ Milestone ■ Remaining Work ◆ Milestone	NPLN-I-R		m	3 30-Jun-16	06~Jul-16					-
Actual Work Chical Remaining Work Page 24 of 25 TASK filter: All Activities Remaining Work • Milestone	NPLN-I-R		-	1 21-Sep-16	21-Sep-16					I I I I I I I I I I I I I I I I I I I
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Remaining Work ◆ ◆ Milestone	Remaining Lev	Actual Work			Page	24 of 25		TASK filter: All Activities		
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9				Finich	Total Calendar	- Sar	Y11K	2014		2016	•••
activity ID	Activity Name	Ouration D	Hemaining Start Duration		Float	Aprim	A JUM A S Oct N D	D J F M Apd M J Jul A	A S Oct N D J F M A M	A Well	S Oct N D
NPLN-I-R1C	C Repair Coating Repair (N2.27) (C-460)	-	1 22-Sep-16	22-Sep-16	-124	WC					Repair Coating Hep
NPLN-R1D	D Backfill Repair (N2.27) (C-460)	*~	1 26-Sep-16	26-Sep-16	-124	wc					Backfill Repair (N2.2
NPLN-I-R2A	A Excavate for Repair (N2.29) (C-460) *Replaced by PCO5*	,-	1 01-Oct-15	01-Oct-15	336	×			Excavate for Repair (N2.29) ((2.29) (0-460) Feplace	PCO5
NPLN-f-R2Ax	Ax Mag& Dig (PCO5) for Repair (N2.29) (C-460)	9	6 07-Jul-16	18-Jul-16	-106	×C				Wag Wag	(PCO5) for Repair (N
NPLN-I-R2B		-	1 22-Sep-16	22-Seo-16	-132	×C					Perform Repair (N2.2
NPI N.I.R.O.		-	1 26-5-00-16	26-Sap-16	124	2/3					Repair Coating Rep.
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NPLN-L-HPV8	8	က	3 05-Oct-16	11-Oct-16	-132	×C			•••	_	
NPLN-J-LA	Excavate for Repair (N2.33, LP10) (C-461) "Replaced by PCO5"	-	1 01-Oct-15	01-Oct-15	336	WC			Excavate for Repair (N2.33, L	2.33, L 10 (0-461) *Rep	ced by PCO5
NPI N-I-I Ax		~	3 04.Am.16	09.4.0.16	108	C.W.				Mag	ı
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1.0.1		-	91-130-51	13-061-10	-132	ر ک					
NPLN-J-LC	Sepair Coating Repair (N2.33, LP10) (G-461)	-	1 17-Oct-16	17-Oct-16	-132	WC.					H Repair Coating Re
NPLN-LD) Backfill Repair (N2.33, LP10) (C-461)	-	1 18-Oct-16	18-Oct-16	-132	WC					Backfill Repair (N
API N. L. PA		-	1 01-0c1-15	01-0-15	326	0,41			Facavate for Benair (N2.32) (d	9	PCOS
		- 1	21-10-10-1	21-10-10	900	2 (
		,	91-Inc-c2 /	03-Aug-16	-106	<u>ح</u>				maga	ı
NPLN-198	3 Perform Repair (N2.32) (C-461)	-	1 12-Oct-16	12-Oct-16	-132	×C					Pertorm Repair (N
NPLN-J-RC	C Repair Coating Repair (N2.32) (C-461)	-	1 13-Oct-16	13-Oct-16	-132	WC					Hepair Coating Re
NPLN-J-RD	D Backfill Repair (N2.32) (C-461)	-	1 17-Oct-16	17-Oct-16	-132	×			••••		Backtill Repair (N
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		,	01-50W-01 /	01-finy-c7	901-	<u>></u>					(coo) final
NPLN-L-VB	3 Perform Repairs (DF1, DV2, N2.36-N2.37) (C-462)	က	3 29-Aug-16	31-Aug-16	-106	WC				a.	Perform Repairs (DF1,
NPLN-VC	5 Repair Coating Repairs (DF1, DV2, N2.36-N2.37) (C-462)	-	1 01-Sep-16	01-Sep-16	-106	wc				Ē	- Repair Coating Repairs
UV. UNI IGN		c	2 24.Oct-16	25.Oct.16	-130	CWI					Backfill Benain
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		7	4 43-Aug-15	30-Aug-16	-100	<u></u>					1 10 0110
NPLN-M-LAX		es	3 06-Jun-16	08~Jun-16	-132	υ X			•••	Mag&Dig (PC	lag&Dig (PCO5 B) for Repair (N.2.
NPLN-M-LB	3 Perform Repair (N.2.40, LPD14) (C-463)	-	1 10-Jun-16	10-Jun-16	-117	WC				Perform Rep.	Perform Repair (N.2.40, LPD14) (C
NPLN-M-LC	S Repair Coating Repair (N.2.40, LPD14) (C-463)	-	1 13-Jun-16	13-Jun-16	48	₩C				Repair Coatin	Repair Coating Repair (N.2.40, LPE
O TWIN ION		-	1 14 hin-16	14-110-15	8	3				Backfill Ben	Backfill Benair (N.2.40. I PD14) (C.
NDIN.M.DA			25 00 0	to fun to					•••	Mank Dig (B)	Mank Din /PCO5 B) for Bensit (N 9
		,	01-110-60 0	01-110/-01	-135	<u></u>				i financia	adout not the con-
ALIV-W-PB		_	1 14-Jun-16	14-Jun-16	-118	٥ ×			•••	Herrorm Hep	Perform Repair (N.2.39, 2.38 LPD)
NPLN-M-RC	 Repair Coating Repair (N.2.39, 2.38 LPD13) (C-463) 	-	1 15-Jun-16	15-Jun-16	-82	×C				Repair Coati	Repair Coating Repair (N.2.39, 2.3
NPLN-M-RD	D Backiil Repair (N.2,39, 2,38 LPD13) (C-463)	_	1 16-Jun-16	16-Jun-16	-82	WC				Backfill Rep	Backiill Repair (N.2.39, 2.38 LPD)
NPLN-W-VA		•	1 01-Oct-15	01-0c1-15	336	WC			Excavate for Repairs (DV3, N2	4	N2,42) (C-463) Replaced by PCO5
AND MARAYA		. r	7 11 1100 15	25 417 00	2 2) (I	Mage Div (BCOE) for Benzitz (DV
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ואר בוא אויי		_	1.23-JUN-16	23-JUN-16	-124	ر د				PL IIIOUS L	רפווטוווו הפסמויא (נועט, ואב. + ו-יועב
)^-W-2]_2		-	1 27-Jun-16	27-Jun-16	-92	NO.				Hopair Coa	Hopair Coating Hopairs (DV3, N2
NPLN-M-VD	D Backfill Repairs (DV3, N2.41-N2,42) (C-463)	-	1 28-Jun-16	28-Jun-16	-95	wc				Backfill Re	Backfill Repairs (DV3, N2.41-N2.
NPLN-M-VE	E Demo DV-3	2	2 23-Jun-16	24-Jun-16	-95	×				Demo DV-3	
THE RESIDENCE OF THE PERSONS ASSESSED.				STATE OF THE PROPERTY OF THE PARTY OF THE PA							
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9 5		_	61-130-10	C1-120-10	٤/	7			See Calson	17 (90) F. (10)	
A51/0	Install 30" Dritted Casson - \$ 152 /LF	-	1 01-Oct-15	01-Oct-15	98	3				on - \$ 152 /LF	
A5180	Install 36" Drilled Caisson - \$ 238,50 /LF	-	1 02-Oct-15	02-Oct-15	73	25			Install 36" Drilled Caisson - \$ 238.50 /LF	on - \$ 238.50 /LF	
U											
 Remaining Level of Effort 	ol of Effort Actual Work Critical Bamaiana Work			, oped	Dog 25 of 25			TACK fiber All Seminition			
		_		Laye	C7 IO C7			TOOL HIGH AN ACIMINES			

Contractor Invoice No. 13



Serial Letter H-0178 21 January 2016

Naval Facilities Engineering Command Marianas

Attn: Jenais Guerrero Pedro LG Roberto Drive, Apra Heights Building 4175, 2nd Floor, Room A206 Santa Rita, Guam 96915

Re:

DESC 1303 Upgrade Fuel Pipeline, Sasa Valley Fuel Farm to AAFB

Contract No. N40192-13-R-1300

Subject: Contractor Invoice No. 13 - November 2015

Ms. Guerrero,

Enclosed please find for your records the following hard copy documents which are being submitted with our Contractor's Invoice No. 13, requesting payment for work performed in November 2015 in the amount of \$3,150,987.62 for the above referenced project.

- Contractor's Invoice NAVFAC 7300/30 form
- 2. Earned Value Summary Report by CLIN
- 3. Earned Value Report signed/approved by FEAD Rep
- 4. Monthly Labor Hour and Safety Audit Summary
- **Contractor Safety Self Certification**
- 6. C & D Diversion Summary Report
- Monthly DFAR 252.247-7023 Cert 7.
- 8. **BOL Log**
- 9. List of Stored Materials
- 10. Vendor Invoices for Stored Materials
- 11. Payroll Verification for JV *
- 12. Payroll Verification for Subcontractors *
- 13. Project Submittal Register
- 14. NAS Schedule update
- 15. NAS Schedule Narrative Report

If you have any questions, please do not hesitate to contact me. I can be reached at 707-265-1162 or by email at aisle@novagrp.com.

NOVA Group, Inc. - Underground Construction Company Inc., a Joint Venture

Aaron Isle

Aaron Isle

Project Manager





^{*} These documents were transmitted via CD, and not uploaded into the WAWF system.

NAVAL FACILITIES ENGINEERING COMMAND CONTRACTOR'S INVOICE

NAVFAC 7300/30 (Dec 2012)

	INVOICE D	DATE 26-Jan-2016
	INVOICE NUM	BER 13
FROM: Nova Group - Underground Construc TO: Naval Facilities Engineering Comm		185 Devlin Road Napa CA
Below is a Statement of Performance under Contract	N40192-14-C-1300 at (State	tion) <u>Naval Facilities</u> <u>Engineering Command</u> <u>Marianas</u>
The enclosure provides breakdown of this statement of performan	nce.	
A. Total value of contract through change	<u>P00022</u>	\$55,350,743.22
B. Percentage of performance complete		56.03%
C. Value of completed performance		\$31,010,720.86
D. Less: Retention held from subcontractors and supp	liers (if applicable)	\$0.00
E. Less: Retention withheld from prime contractor		(\$1,483,141.76)
F. Less: Total of previous payments		(\$26,376,591.48)
G. Subtotal		\$3,150,987.62
H. Release of Government Retention (if applicable)	Digitally signed by Aaron	\$0.00
I. Amount of this invoice	Aaron Isle Inc, ou=Project Manager, email=aisle@novagrp.com	\$3,150,987.62
	Date: 2016.01.21 13:57:10	
	Signature CTOP'S CERTIFICATION	Title

CONTRACTOR'S CERTIFICATION

52.232-5 PAYMENTS UNDER FIXED-PRICE CONSTRUCTION CONTRACTS (MAY 1997)

I hereby certify, to the best of my knowledge and belief, that:

- (1) The amounts requested are only for performance in accordance with the specifications, terms, and conditions of the contract;
- (2) Payments to subcontractors and suppliers have been made from previous payments received under the contract, and timely payments will be made from the proceeds of the payment covered by this certification, in accordance with subcontract agreements and the requirements of Chapter 39 of Title 31, United States Code;
- (3) This request for progress payments does not include any amounts which the prime contractor intends to withhold or retain from a subcontractor or supplier in accordance with the terms and conditions of the subcontract; and
- (4) This certification is not to be construed as final acceptance of a subcontractor's performance.

Aaron Isle	Discurreduces the orthible factors for surfictional Manager emodroscopic costs sind is their 2014 of 21 COST 52 18595	21-Jan-16	
Signature		Date	
Aaron Isle		Project Manager	
Name		Title	

(The above certification applies to all contracts awarded on or after 01 April 1989.)

QUALITY CONTROL MANAGER'S CERTIFICATION

I hereby certify that the as-built drawings are current and the work for which payment is requested, including stored

Reynaldo Pelagio Digitally righted by Reynaldo Pelagio Out, an air projection of the control o	21-Jan-16
Signature	Date
Reynaldo Pelagio	Quality Control Manager
Name	Title



CONTRACT NUMBER:

N40192-14-C-1300

CONTRACT DESCRIPTION:

FY13 MILCON PROJECT DESC1303 UPGRADE FUEL PIPELINE

MONTHLY EXPOSURE REPORT

Reporting period: 11/1/15 to 11/30/15

CONTRACTORS:	Total hours worked	Cumulative	Cumulative	Cumulative
	this period	hours for Fiscal	hours for Fiscal	hours for Fiscal
		Year 2014	Year 2015	Year 2016
PRIME	6764	3281	59095	0
SUBCONTRACTORS	5830.5	2757	64552.5	0

SAFETY RELATED INCIDENTS:

Category:	Incidents this	Cumulative	Cumulative	Cumulative
	period	incidents for Fiscal	incidents for Fiscal	incidents for Fiscal
		Year 2014	Year 2015	Year 2016
First Aid	0	0	0	0
Near Miss	3	0	7	0
Lost Time	0	0	0	0
Recordable	0	0	2	0

Certified by:

Schuyler, Kody

Digitally signed by Schuyler, Kody DN: dc=local, dc=quantaservices, ou=Quanta Subsidiaries, ou=Nova, ou=Guam, ou=Users, cn=Schuyler, Kody Date: 2015.12.23.10:06:36+10'00'

Signature

Date

This report has been reviewed and found to reflect actual exposure for this period. Digitally signed by

Inscmo

12/23/2015

IBANEZ.MAURICE.P.1184802895 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USN, cn=IBANEZ.MAURICE.P.1184802895 Date: 2015.12.23 15:10:51 +10'00'







CONTRACTOR SITE SAFETY ASSESSMENT

ROICC OFFICE:	NAVEA	C Mari	anas	<u>DATE</u> : 11/30/2015	
CONTRACTOR:	NOVA-	-UCCO	J۷		
CONTRACT TITLE	Upgrad	e Fuel	Pipeli	ne <u>CONTRACT % COMPLETE</u> : 56.65%	
CONTRACTOR SU	JPERIN'	TENDE	<u>NT</u> : _	Bruce Levan	
CATEGORY:					
OXIZOOKI.	(Yes)	(No)	(N/A)		
				-	
PREPARATORY PHASE (Planning)	[] []			1) Activity Hazard Analysis performed and used on the site for each definable feature of work?	
Comments/Notes:	Ī			2) Are weekly safety meetings and indoctrination held on site and documented for all workers? 3) Is the submitted safety plan on site and in use?	
	<u> </u>			4) Is the Activity Hazard Analysis reviewed during the preparatory inspection?	
	000000			5) Hazardous materials program in place with MSDS sheets on site and maintained? 6) EM 385-1-1 available on the site?	
	□		\Box	7) Other? Extra Credit?	
OFFICE TRAILER	v	П		0) 4 (5)	
OFFICE TRAILER GENERAL		ä	ä	8) Are office and storage trailers anchored? 9) Are emergency phone numbers posted?	
Comments/Notes:	2			10) Is a phone available?	
	D D	H		11) First aid log maintained (contractors must use OSHA Form 300)? 12) Toilet facilities available?	
	Ō		$\overline{\Box}$	13) Site posted "HARD HAT AREA," "NOISE HAZARD," "CONSTRUCTION AREA," etc., as required?	
	SOS			14) Garbage cans and dumpsters available?	
	<u> </u>	H		15) Jobsite cleaned daily? 16) Is traffic control around site adequate?	
		□	⊡	17) Other? Extra Credit?	
FIDE DDEVENTION	0	П			
FIRE PREVENTION Comments/Notes:			H	18) Are fire extinguishers available, fully charged, and easily visible within 75 feet for low hazard areas? 19) Is fuel stored in proper containers?	
	☑			20) Are hot work permits being obtained?	
	<u> </u>			21) Are fire watches provided?	
	 ✓	H	Ы	22) Are gas cylinders stored upright and secured with chain or rope? 23) Is Housekeeping acceptable?	
			Ø	24) Other? Extra Credit?	
	П				
SCAFFOLD SAFETY	H		<u> </u>	25) Are daily scaffold inspections performed by designated competent person? 26) Planks overlapped not less than 6" or more than 12" over end supports with toe boards in place?	
Comments/Notes:			\Box	27) Tubing pinned properly and all cross bracing in place?	
			$\overline{\Omega}$	28) If scaffold height is 4X smallest base dimension, is system secured to structure?	
	H	ä	Z	29) All guardraits are in place? 30) Full work platform at each working level with no cracks/splits?	
				31) Safe access provided to each working level?	
			<u> </u>	32) Scaffold and components not overloaded?	
		Ħ		33) is scaffold system plumb and level? 34) Suspended scaffold systems using independent personal fall arrest system?	
			Ø	35) Other? Extra Credit?	
			\square		
FALL PROTECTION	ä		ă	36) Is a full body harness used where required? 37) Tied off at all times to structural element capable of supporting 5,000 lbs/person?	
Comments/Notes:				38) Is protection provided for all personnel working in areas where they could fall 6' or more?	
				39) Are employees trained for fall protection systems in use?	
				40) Does the contractor have a certified competent person? 41) Have standard guardrails been provided where required?	
			V	42) Have horizontal life lines been designed and installed under supervision of a qualified person?	
			V	43) Other? Extra Credit?	
CATEGORY:	_				
LADDER SAFETY	፟			44) Do ladders extend 3' above landing platform and tied to structure?	
Comments/Notes:			₫	45) Are ladders used with hand tools only?	
				46) Are ladder base distances from structure 1/4 height?	
	⊡			47) Are floor openings either covered or surrounded by a guardrail? 48) Electricians not using portable "conductive" ladders?	
				49) Stairways provided on all structures over 20' during construction and supplied with guardrail?	
	띨			50) Portable step ladders over 20' not used on the site?	



CONTRACTOR SITE SAFETY ASSESSMENT 51) Are ladders properly used? 52) Other? Extra Credit? **EXCAVATIONS** 53) Does excavation over 4' deep have a ladder within 25' and two means of egress? 54) Has proper slope or trench box/shoring been provided? 55) is water controlled/removed? 56) Is excavated material at least 2' back from trench edge? 57) Is excavation barricaded, etc., to prevent workers and public from falling into trench/hole? 58) In locations of known or suspected contamination, is excavation atmosphere monitor 59) Does contractor have certified competent person on site? \square 60) Other? Extra Credit? 7 ELECTRICAL 61) Are temporary power panels and receptacles protected from weather? Ø Comments/Notes 62) Are GFCI's in use for site tools ? ☑ 63) Are temporary lights rigged and secured to supports properly, and with covers? 64) If overhead power lines are in area, are operations maintaining required distance or isolation? 65) Is lockout/tagout program in effect? 66) Has a sketch of proposed temporary power distribution been submitted/accepted before installing? 67) Other? Extra Credit? abla68) Other? Extra Credit? **CRANES** 69) Has periodic inspection been performed prior to use on site IAW EM 385-1-1, App. H? Comments/Notes: 70) Are App. H daily start up inspections performed by operator and submitted with DRI? 71) Is crane operator qualified IAW EM 385-1-1, App. G, and is crane certification posted in cab? 72) Are workers protected from the crane swing radius and prevented from passing under the load? 73) Are rigging cables and slings in good repair free of kinks and cracks? 74) is the crane level and on firm ground and outriggers in use with appropriate cribbing? 75) Is crane side loading prohibited? 76) Near electric power sources, are rules followed for clearance/isolation in operating zone? 77) Is crane equipped with anti two-block device if required? 78) Other? Extra Credit? CONFINED 79) Has entry plan been submitted and accepted? **SPACES** $\overline{\mathbf{Y}}$ 80) Is atmosphere being monitored? Comments/Notes: 81) Is space being ventilated? 82) Are entrants, attendants and entry supervisor properly trained? 83) Is rescue/retrieval system in place? 7 84) Are daily entry permits posted at point of entry and signed by entry supervisor? ☑ 85) Is point of entry posted "DANGER CONFINED SPACE"? 86) Has blanking or locking out of systems taken place? **ROOFING** 88) Are kettles at least 25 feet away from buildings? 89) Has an employee fall protection system been implemented and in proper use? 90) Are skylights and roof penetrations covered or barricaded appropriately? 91) Has the roof been evaluated for its ability to support the intended construction loads? 92) Has the roof been surveyed for deterioration? 93) Are two fire extinguishers at the kettle? 94) Fuel cylinder a minimum of 10' from open flame? 95) Other? Extra Credit? 96) Other? Extra Credit? CATEGORY: EQUIPMENT 97) Are forklift operators qualified through training at the site (certificate included in Safety Plan)? 98) Does mobile equipment have rollover cages and backup alarms, with moving parts adequately guarded? ō 99) Are equipment operations maintaining safe clearance from electrical power lines? ☑ 100) Do modifications meet safety rating per manufacturer (i.e., lifting personnel with forklift)? 101) Are safety lashings provided for high pressure hose connections, i.e., air compressors? 102) Are workers clear of blind spots associated with mobile construction equipment 103) Do aerial lifts have basket/platform with guardrail? 104) Are workers not extending over guardrail of aerial lifts? 105) Are articulating boom platforms (JLG type) used with Full Body Hamess attached to boom or basket? ✓ 106) Other? Extra Credit? 107) Other? Extra Credit?



CONTRACTOR SITE SAFETY ASSESSMENT ✓✓ **DEMOLITION** 108) Has demolition plan been submitted and accepted? 109) If waste is being dropped > 6' is it in an enclosed chute and is area secured from traffic? 113) For building demolition, has notification been made to State having jurisdiction? ☑ 114) Are nails removed from scrap lumber/materials? 1 116) Other? Extra Credit? তাত্যতাত্ত ত PPE 117) Workers wearing leather shoes (not tennis), long pants, sleeved shirts, and steel toes where required? Comments/Notes: 118) Are hard hats being worn? 119) Are safety glasses where appropriate? 120) Hearing protection where appropriate? (if you need to yell to converse) 121) Respirators where appropriate? 122) Impalement protection provided where personnel could work above vertical impalement? 123) Is lighting adequate? ☑ 124) Other? Extra Credit? **ABATEMENT** \square 125) Has abatement plan been submitted and accepted? 126) Is independent air monitoring being performed as required inside and outside barriers? Comments/Notes \Box 127) Is containment in place without integrity compromise? 128) Are employees utilizing appropriate PPE? 129) If negative air is used, are fans used continuously and monitored for pressure differential? 130) Has baseline been performed and necessary final clearance readings taken? 131) Are inspections by independent PQP performed prior to barrier removal? 132) Is waste material properly containerized and stored? 133) Are air monitoring results provided to ROICC? \(\bar{2} \) 134) Are waste shipment records provided to ROICC? 135) Other? Extra Credit? WATERFRONT 136) Are employees wearing appropriate flotation devices (PFDs)? Upgrade Fuel Pipeline **ACTIVITIES** 137) is a rescue skiff available? 138) Are emergency life rings available? 139) If diving operations are taking place, has a dive plan been submitted and accepted? 140) Does dive team consist of proper number and qualifications for employees? 141) Other? Extra Credit? SCORING: Total applicable for each category = X (where X includes responses for category of "Yes" and "No" but does not include N/A) Total with "Yes" responses for each category = Y SCORE FOR EACH CATEGORY SCORE RATE EQUATION = Y / X 1 PREPARATORY PHASE: 100% 6 LADDER SAFETY: ___ 2 OFFICE TRAILER GENERAL: 7 EXCAVATIONS: ___ 100% 12 EQUIPMENT: 86% 3 FIRE PREVENTION: _ 8 ELECTRICAL: ___ 100% 80% 13 DEMOLITION: N/A 4 SCAFFOLD SAFETY: ____ N/A 9 CRANES: __ 100% 14 PPE: _ 100% 5 FALL PROTECTION: _ 10 CONFINED SPACES: 100% 15 ABATEMENT: N/A

Schuyle r, Kody

OVERALL RATING = AVERAGE RATING FOR ALL CATEGORIES:

Digitally signed by Schuyler, Kody DN: dc=local, dc=quantaservices, ou=Quanta Subsidiaries, ou=Nova, ou=Guam, ou=Users, cn=Schuyler, Kody Date: 2015.12.23 09:59:33 +10'00'

This safety assessment report was reviewed and found to reflect site conditions for this period.

Digitally signed by PANEZ MANUSCER 1184802005

emsens

97%

16 WATERFRONT ACTIVITIES:

Digitally signed by IBANEZ.MAURICE.P.1184802895 DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USN, cn=IBANEZ.MAURICE.P.1184802895 Date: 2015.12.23 15:13:54 +10'00'

N/A

Attachment A-6 Waste Management Monthly Summary Report Form - Construction Demolition (C D) Debris/Waste

Control Carbon March Control Carbon March	Submitted By William Wells Reporting Period November-15	Type Cab Max		Contract Number		N40192-13-C-1300	Contract Site	Contract Site Upgrade Fuel Pipeline, GUAM	Pipeline, GUAM	Contractor Name	NOVA Grou	ıp, Inc. – Undergrour	Contractor Name NOVA Group, Inc Underground Construction Company Inc., a JV	v Inc., a JV
Types of Cab Estimated Estimated Conversion Total tons to be Tons to be Tons to be Total tons Total tons of the conversion Total tons to be Tons to be Tons to be Total tons Total tons of the conversion Total tons to be Tons to be Total tons Total tons to be Total tons tons tons tons tons tons tons tons	Types OF C&D Estimated Estimated Conversion Total tons to Parameted Tons to Parameted Total tons to Parameted Total tons to Parameted Total tons to Parameted Total tons tons tons tons tons tons tons tons	Estimated Estimated Estimated Conversion Total tons to Parameted Conversion Total tons teased's always Total tons generated Estimated Estimated Conversion Total tons teased's always Total tons teased Total tons teas		Date Submitted		ec-15	Submitted By_	Willia	m Wells	Reporting Period	Nov	ember-15		
TypeS OF C&D	TypeS OF C&D Estimated Estimated Estimated Estimated Connection Total fons to be Total fons	TypeS OF C&B			100	- Indiana			Signatura					
CAB WASTE CAB Weight (cons) Conversion Total Lons to Pack	Catholic Catholic	Type S OF C&D Estimated Estimated Connection Total flows of Paul (cutyd) Connection	The state of the s			ration			Diversion		nisposai			
CAD WASTE CaD Waster CaD	e 0	e 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LIST OF TYPES OF C&D DEBRIS/WASTE	Estimated Volume (cu.yd)	Estimated Weight (tons)		-	Tons to be Recycled	Tons to be Reused or Salvaged	Total Tons Recycled, Reused, or Salvaged	Total Tons Disposed	Name of Hauler	Name of Facility	Diversion Rate
e 0	e 0 900 0	e 0 0 0 0 0 0 0 0 0	Asphalt	0			0	0			0			
352 352	2000 352 0 0 Valdez Lugans (Hemlani)	2000 352 352 0 Valdez L&P Lujans (Hemlan) 1	Concrete	0			0				0			
Colored Colo	TOTAL TOTAL	TOTAL TOTA	Slean Soil	352			352					Valdez	L&P Lujans (Hemlani	
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TOTAL TOTAL	TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL 352 0 352 0 0 0	TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL Tons reused/salvaged, 4)) Total tons diversion (C&D), and 6) Total Disposal Total Disposal Total Lotal Lotal Disposal Total Lotal Lotal Lotal Disposal												
TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL	TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL 352 0 352 0 0	TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL 352 0 352 0 0 0 0 10 <td>TO A SECURE AND A</td> <td></td>	TO A SECURE AND A											
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		ļ					352	0			0			100%
							,							

Note: Green waste diversion must be reported as solid waste diversion, it cannot be included in the calculation to meet the 50% C&D waste landfill diversion goal. 20% Estimated Project C&D Diversion Rate:

William Well Street from the Court of C William Wells Project Manager Certification (Print Name)

20%

Estimated Total Project C&D Diversion Rate:

Attachment A-7 Waste Management Monthly Summary Report Form - Solid Waste

	Contract Number		N40192-13-C-1300	Contract Site	Contract SiteUpgrade Fuel Pipeline, GUAM	Pipeline, GUAM	Contractor Name		NOVA Group, Inc Underground Construction Company Inc., a JV	Construction Compa	ny Inc., a JV
	Date Submitted		1-Dec-15	Submitted By	Willian	William Wells	Reporting Period	Nover	November-15		
		Monthly (Monthly Generation			Diversion		Disposal			
LIST OF TYPES OF SOLID	Estimated	Estimated	Conversion		e		Total Tons	Total Tons	Name of Hauler	Name of Facility Diversion Rate	Diversion Rate
WASTE	Volume (cu.yd) Weight (tons)	Weight (tons)	Factor (Ibs/cu.yd)**	be Generated	Recycled	Reused or Salvaged	Recycled, Reused, or Salvaged	Disposed			
Glass Bottles	0	0	900	0	0	0	0	0			
Plastic Bottles	0.5	0.01	36	600.0	600'0	0	600.0	600.0	Mr. Rubbishman	Maloloj Landfill	0
Mixed Paper	0	0	568	0	0	0	0	0			
Aluminum Cans	0	0	63	0	0	0	0	0			
Cardboard	0	0	100	0	0	0	0	0			
Scrap Metal	0	0	1000	0	0	0	0	0			
General Office Garbage	4	0.5	250	0.5	0	0	0	0.5	Mr. Rubbishman	Maloloj Landfill	0
			110000000000000000000000000000000000000								
The state of the s											
e de la companya de l											
TOTAL GREEN WASTES*				TOTAL			TOTAL	TOTAL			
Sasa Valley	0	0	350	0	0		0	0			
AAFB	0	0	350	0	0		0	0			
Pipeline Easement	0	0	350	0	0		0	0			
TOTAL SOLID WASTE				TOTAL	TOTAL	TOTAL	TOTAL	TOTAL			TOTAL
				0.5	0.0	0.0	0.0	9.0			%0

Report (each month) - 1) Total tons generated, 2) Total tons recycled, 3) Tons reused/salvaged, 4) Total tons diversion (solid waste), and 6) Total Disposal

*Green waste cannot count towards C&D diversion, but can be counted towards the solid waste diversion ** See attached conversion sheet

	Digitally signed by William Wells	William Wells Ostrives Group, Inc.; CN-William Wells	Late: 2016,01.07 12:46:02+10'00'
			(Signature)
90%	20%	20%	William Wells
Estimated Project Green Waste Diversion Rate	Estimated Project Solid Waste Diversion Rate:	Estimated Total Project Solid Waste Diversion Rate:	Project Manager Certification (Print Name)

(Date)

MONTHLY INVOICE CERTIFICATION

CONTRACT NO. AND TITLE: N40192-14-C-1300 Upgrade Fuel Pipeline

CONTRACTOR: Nova--Underground, a Joint Venture

INVOICE NUMBER: N/A

Contractor Name/Title

November 2015

TRANSPORTATION OF SUPPLIES BY SEA

In accordance with the terms of the contract, I make representation that to the best of my knowledge and belief (check only one of the following): __ (1) No ocean transportation was used in the performance of this contract during the period covered by this invoice. X (2) Ocean transportation was used and only U.S.-flag vessels were used for all ocean shipments under the contract during the period covered by this invoice. As per DFARS 252.247-7023, Transportation of Supplies by Sea, within 30 days of each shipment, an electronic copy of the carrier's ocean bill of lading was provided to the Contracting Officer and to Marguerite.Speights@dot.gov (MARAD) via email. (3) Ocean transportation was used, and the Contractor had the written consent of the Contracting Officer for all non-U.S.-flag ocean transportation. (4) Ocean transportation was used and some or all of the shipments were made on non-U.S.-flag vessels without the written consent of the Contracting Officer. The Contractor shall describe these shipments in the following format: William Wells

Digitally signed by William Wells
DN: C=US, E=wwells@novagrp.com,
O="Nova Group, Inc. ", CN=William
Wells
Date: 2016.01.05 06.54:51+10'00' 12/01/2015 Date Contractor's Signature William Wells / APM

MONTHLY INVOICE CERTIFICATION

CONTRACT NO. AND TITLE: N40192-14-C-1300 Upgrade Fuel Pipeline

CONTRACTOR: Nova--Underground, a Joint Venture

INVOICE NUMBER: N/A

Contractor Name/Title

November 2015

TRANSPORTATION OF SUPPLIES BY SEA

In accordance with the terms of the contract, I make representation that to the best of my knowledge and belief (check only one of the following): ____ (1) No ocean transportation was used in the performance of this contract during the period covered by this invoice. X (2) Ocean transportation was used and only U.S.-flag vessels were used for all ocean shipments under the contract during the period covered by this invoice. As per DFARS 252.247-7023, Transportation of Supplies by Sea, within 30 days of each shipment, an electronic copy of the carrier's ocean bill of lading was provided to the Contracting Officer and to Marguerite.Speights@dot.gov (MARAD) via email. ____ (3) Ocean transportation was used, and the Contractor had the written consent of the Contracting Officer for all non-U.S.-flag ocean transportation. (4) Ocean transportation was used and some or all of the shipments were made on non-U.S.-flag vessels without the written consent of the Contracting Officer. The Contractor shall describe these shipments in the following format: 12/01/2015 Contractor's Signature Date William Wells / APM

OCEAN BILL OF LADING Log Sheet for Period of Nov 2015

Б	Ċo	otract	No.			Description	Contractor	BOL#	Vessel Name	Date Received	Date MARAD Notified
1	N40192	14	С	1300				4611116	MANUKAI 162W	19-Nov-15	
3	N40192	14	C	1300				5339765	MANUKAI 162W	19-Nov-15	1-Dec-15
2	N40192	14	С	1300		Upgrade Fuel Pipeline	Nova - Underground, a JV	4611116	MANULANI 115W	25-Nov-15	1-Dec-15
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BY:

Title Senior Vice President, Ocean Services

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NON-NEGOTIABLE BILL OF LADING PAGE 1 OF 1

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Matson Navigation Company, Inc.
BY: Company

Title Senior Vice President, Ocean Services

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Title Senior Vice President Ocean Services

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B/L NO. MATS 4611116 - 000

MATSON NAVIGATION COMPANY

11/11/2015

1026 Cabras Highway, Suite 155 Piti, Guam 96925

Page 116

Vessel / Voyage : MKI162

Booking Number: 4611116

Container Number: MATU3451359

Seal Number:

Container Size: F45 96OB

MATSON NAVIGATION COMPANY

11/11/2015

1026 Cabras Highway, Suite 155 Piti, Guam 96925

Page 117

Vessel / Voyage : MKI162

Booking Number: 4611116

Container Number: MATU3451364

Seal Number:

Container Size: F45 96OB

MATSON NAVIGATION COMPANY

11/11/2015

1026 Cabras Highway, Suite 155 Piti, Guam 96925

Page 118

Vessel / Voyage : MKI162

Booking Number: 4611116

Container Number: MATU3451678

Seal Number:

Container Size: F45 96OB

NON-NEGOTIABLE BILL OF LADING PAGE 1 OF 1

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NOVA GROU ANDERSON PO BOX 2376 GMF, GU 969	AFB PROJECT 89	г				ALSO NOTIFY PA	BELES, CA UNIT		
INITIAL CARRIAGE			PL	ACE OF RECEIPT					OCATION
VESSEL MANUKAI	***************************************	VOYAGE 163 N		RT OF LOADING	Δ	DOMESTIC ROU	TING EXPORT INSTRU		
PORT OF DISCHARG	E	162 \		ONG BEACH, C	A	_		(A)	
GUAM, GU	7.07	*****	l						
LIVE & MOCIOC	NTAINER NOS	NO. OF P				NISHED BY			
N/M	INTAINER NUS	NO. GFP	AGS		DESCRIPTION OF P	ACKAGES AND GOODS	5	GROSS WEIGHT	MEASUREMENT
		1 UNIT		01 x F 40M STEEL TANK				18,000.000 LBS 8,164.663 KGS	1
				UNITED STA	TES IN ACC S. DIVERSI	TECHNOLOGY, (CORDANCE WITH	H THE EXPORT	1	M THE
		TYPE	ТЕМР	CTR NUMBER	SEAI	L NUMBER	QTY / TYPE	WGT	MEASURE
		F40M		USNX000878			0		
				SHIPPED ON	BOARD :	NOV/04/2015		PAG	ENTRY
								\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	OV 19 2015
ITEM	<u> </u>	SCRIPTION (RB	QUANTITY	RATE	PREPAID.	COLLECT
7218	OCEAN FRE		IARGE		M	3,853	95.00		ARÂNCE
	ADVANCE (IARGE		EA EA	1 1	209.00 808.00	į	
	HANDLING		ن د د د د د		M	3,853	15.00		
	INVASIVE		FEE		UNIT	18	0.75	i '	
	TERMINAL				М	3,853	10.00		
	FUEL RELA	ATED SUP	RCHAR	GE	PCT	9,151	21.00	1,921.68	
						CREDIT VAL	.IDATED	14,511.19	

NOTICE

NOTICE

Matson Navigation Company, Inc. hereby acknowledge receipt of the sealed container of packages or other shipping units said to contain the Goods described above in apparent external good order and contidion unless otherwise stated. The Shipper agrees, and the Consignee and every person purchasing this instrument for value, if negotiable, or otherwise having an interest in the Goods is advised that the receipt, custody, curtage and delivery of the Goods are subject to all the terms and conditions set forth and incorporated by reference on this side and the reverse hereof, whether written, stamped or printed.

A set of 1 originals of this bill of lading is hereby issued by the Carrier. Upon surrender to the Carrier of any one negotiable bill of lading property endorsed, all others shall stand void Malson Navigation Company, Inc.

Title Senior Vice President, Ocean Services

LIABILITY OF CARRIER IS LIMITED. SEE NOTICE ON REVERSE SIDE.

PLACE OF ISSUE MON/DAY/YEAR **PHOENIX** NOV/11/2015 MATS 5339765 - 000

NON-NEGOTIABLE BILL OF LADING PAGE 1 OF 1

SHIPPER				TARIFF 44	CON :		OOKING NUMBER
NOVA GROUP INC 185 DEVLIN ROAD NAPA, CA 94558				E18977		CON E	1003100
CONSIGNEE				FORWARDING A	GENT/THIRD PARTY		
NOVA GROUP INC ANDERSON AFB PROJECT PO BOX 23789 GMF, GU 96921	-		٠,	TOTALTF 1443 MAI NAPA, CA	ANS INTERNA N STREET, STE N 94559	FIONAL 104	
NOTIFY PARTY					NTRY OF ORIGIN	CD CTATES	
NOVA GROUP INC ANDERSON AFB PROJECT PO BOX 23789 GMF, GU 96921	-			ALSO NOTIFY PA	ELES, CA UNIT	<u>USTOMS & OUARAN</u>	FILLE AGENCY 15 15 15 15
NITIAL CARRIAGE		PLA	CE OF RECEIPT			EON GUERRERO, JOH	IN E MUE POSENCY ES
vessel MANUKAI	VOYAGE 162 V		ONG BEACH, CA	DOMESTIC ROU	TING EXPORT INSTRUC	TIONS	III bet 411:
PORT OF DISCHARGE GUAM, GU		PLA	CE OF DELIVERY				
	***************************************		PARTICULARS FURN	NISHED BY	SHIPPER		
MKS & NOS/CONTAINER NOS	NO. OF P	KGS	DESCRIPTION OF PA	ACKAGES AND GOOD	3	GROSS WEIGHT	MEASUREMENT
N/M	1 UNIT		01 x F 40M STEEL TANK THESE COMMODITIES, TO UNITED STATES IN ACCORDING TO THE PREJULT OF THE P	ORDANCE WIT	H THE EXPORT	WERE EXPORTED FI ADMINISTRATION	GS 109.091 CBM
	TYPE	TEMP	CTR NUMBER SEAL	NUMBER	QTY / TYPE	WGT	DA PASTENIA

ITEM	DESCRIPTION OF CHARGES	RB	QUANTITY	RATE	PREPAID	COLLECT
7218	OCEAN FREIGHT CHARGE	M	3,853	95.00	9,150.88	-
	ADVANCE CHARGE	EA	1	209.00	209.00	
1	GUAM TERMINAL CHARGE	EA	1	808.00	808.00	
	HANDLING CHARGE	М	3,853	15.00	1,444.88	
	INVASIVE SPECIES FEE	UNIT	18	0.75	13.50	
	TERMINAL HANDLING CHARGE	М	3,853	10.00	963.25	
validation of the control of the con	FUEL RELATED SURCHARGE	PCT	9,151	21.00	1,921.68	
			1			
			CREDIT VAL	IDATED	14,511.19	

SHIPPED ON BOARD : NOV/04/2015

0

NOTICE

F40M

USNX000878

Maison Navigation Company, Inc. heraby acknowledge receipt of the sealed container of packages or other shipping units said to comain the Goods described above in apparent acternal good order and condition unless otherwise stated. The Shipper agrees, and the Consignee and every personal pruchasing this instrument for value, if regotables, or otherwise having an intensi in the Goods is advised that the necepit, custody, carriage and delivery of the Goods are subject to all the terms and conditions set forth and incorporated by reference on this side and the reverse hereof, whether written, stamped or privited.

A set of 1 originals of this bill of lading is hereby issued by the Carrier. Upon surrender to the Carrier of any one negotiable bill of lading properly endorsed, all others shall stand void Malson Navigation Company, Inc.

BY:

Title Senior Vice President, Ocean Services

LIABILITY OF CARRIER IS LIMITED. SEE NOTICE ON REVERSE SIDE.

PLACE OF ISSUE MON/DAY/YEAR PHOENIX NOV/11/2015 B/L NO. MATS 5339765 - 000

NOV 19 2015

CLEARANCE

NON-NEGOTIABLE BILL OF LADING PAGE 1 OF 1 LOAD/DISCHARGE 44 CON -CON 5339765 EXPORT REFRENCES E18977 NOVA GROUP INC 185 DEVLIN ROAD NAPA, CA 94558 CONSIGNEE FORWARDING AGENT/THIRD PARTY NOVA GROUP INC ANDERSON AFB PROJECT PO BOX 23789 TOTALTRANS INTERNATIONAL 1443 MAIN STREET, STE 104 NAPA, CA 94559 CUSTOMS & QUARANTINE AGENCY GMF, GU 96921 GOVERNIVENT OF S NOTIFY PARTY CONT AND COUNTRY OF ORIGIN LOS ANGELES, CALU ALSO NOTIFY PARTY NOVA GROUP INC ANDERSON AFB PROJECT PO BOX 23789 ភ BY GUAM CHATAMERATHARIANINE AGENCY GMF, GU 96921 INITIAL CARRIAGE PLACE OF RECEIPT VESSEL VOYAGE PORT OF LOADING DOMESTIC ROUTING EXPORT INSTRUCTIONS MANUKAI 162 W LONG BEACH, CA PORT OF DISCHARGE PLACE OF DELIVERY GUAM, GU PARTICULARS FURNISHED BY SHIPPER MKS & NOS/CONTAINER NOS NO. OF PKGS DESCRIPTION OF PACKAGES AND GOODS GROSS WEIGHT MEASUREMENT N/M 01 x F 40M 18,000.000 LBS 3,852.502 CF UNIT STEEL TANK 8,164.663 KGS 109.091 CBM THESE COMMODITIES, TECHNOLOGY, OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED. FREIGHT PREPAID TYPE CTR NUMBER SEAL NUMBER QTY / TYPE TEMP WGT MEASURE F40M USNX000878 0 PAG ENTRY SHIPPED ON BOARD : NOV/04/2015 NQV 19 2015 R P WAY I K VAY I N D ITEM DESCRIPTION OF CHARGES RB QUANTITY RATE 7218 OCEAN FREIGHT CHARGE М 3,853 95.00 ADVANCE CHARGE ΕA 1 209.00 209.00 GUAM TERMINAL CHARGE 808.00 EΑ 1 808.00 HANDLING CHARGE 15.00 М 3.853 1.444.88 INVASIVE SPECIES FEE UNIT 18 0.75 13.50 TERMINAL HANDLING CHARGE 3,853 10.00 963.25 М FUEL RELATED SURCHARGE PCT 9,151 21.00 1,921.68

NOTICE

NOTICE

Matson Navigation Company, Inc. Navigation Company, Inc. Navigation Company, Inc. Navigation Company, Inc. Navigation of the saled container of packages or other shipping units said to contain the Goods described above in apparent external good order and candidion unless otherwise stated. The Shipper agrees, and the Consignee and every person purchasing this instrument for value, if negotiable, or otherwise having an interest in the Goods is advised that the receipt, custody, carriage and delivery of the Goods are subject to all the terms and conditions set forth and incorporated by reference on this side and the reverse hereof, whether written, stamped or printed.

A set of 1 originals of this bill of lading is hereby issued by the Carrier. Upon surrender to the Carrier of any one negotiable bill of lading properly endorsed, all others shall stand void

CREDIT VALIDATED

Matson Navigation Company, Inc.

Title Senior Vice President, Ocean Services

LIABILITY OF CARRIER IS LIMITED, SEE NOTICE ON REVERSE SIDE.

PLACE OF ISSUE MON/DAY/YEAR **PHOENIX** NOV/11/2015 MATS 5339765 - 000

14,511.19

	DRAFT	<u>, </u>		NON-NEGO	TIABLE	BILL OF	LADING PAG	GE 1 OF 1
SHIPPER				TARIFF	LOADIDIS	CHARGE 17F-CY	800KING NUMBER 4611116	······································
NÒVA GROUP INC 185 DEVLIN ROAD NAPA, CA 94558				EXPORT REFRENC				
CONSIGNEE				FORWARDING AGE	ENT/THIRD PARTY			
NOVA GROUP INC 185 DEVLIN ROAD NAPA, CA 94558				MAIL TO: NOVA GRO PO BOX 40 NAPA, CA	DUP INC 050			
NOTIFY PARTY				POINT AND COUNT	RY OF DRIGIN	ED STATES	<u></u>	· · · · · · · · · · · · · · · · · · ·
NOVA GROUP INC PO BOX 4050 NAPA, CA 94558				ALSO NOTIFY PAR	īΥ		1.00	AUON
INITIAL CARRIAGE		PLACE OF RECEIPT					-	X
VESSEL MANULANI	VOYAGE 116 W		CA	DOMESTIC ROUTIS	NG EXPORT INSTRUCT	KONS		7-
PORT OF DISCHARGE GUAM, GU		PLACE OF DELIVERY						
		PARTICU	LARS FUR	NISHED BY S	SHIPPER			
MKS & NOS/CONTAINER	INOS NO, OF PKG			AND SEAL SA	TD TO CONTRA	GROSS WEIGHT	MEASU	REMENT
		UNITED ST REGULATIO FREIGHT P	ARGO MODITIES, T ATES IN ACC NS. DIVERSI REPAID	ORDANCE WITH ON CONTRARY	THE EXPORT TO U.S. LAW		KGS FROM THE	CF CBM
		TEMP CTR NUMBE		. NUMBER	QTY / TYPE	WGT	MI	EASURE
	F45H	MATU34512 SHIPPED O		NOV/11/2015	0	P	NOV 25	2015
ITEM	DESCRIPTION OF	CHARGES	RB	QUANTITY	RATE	PREPAID		E. C.
	CUSTOMS GOVE	INITIATION FOR THE PROPERTY OF GUARANTINE	TENCY # 003	*CREDIT VALI	DATED*			
Matson Navigation Compan of the sealed container of pa said to contain the Goods d	OTICE y, Inc. hereby admowledge receipt uzkages or other shipping units escribed above in apparent diston unless otherwise stated. The	K Carrier. U prop e rly e	i. originals of this bi pon surrender to the ndorsed, all others s Matson Navigatif	Il of lading is hereby is Carrier of any one ne thall stand void in Company, Inc.	sued by the gotiable bill of lading	PLACE OF ISSUE PHOENIX	MOWDAY/YE NOV/19/	

external good order and condition unless otherwise stated. The Shipper agrees, and the Consignee and every person processing this instrument for value, it negotable, or otherwise having an interest in the Goods is advised that the receipt, castody, carriage and delivery of the Goods are subject to all the terms and conditions set forth and incorporated by reference on this side and the reverse hereof, whether written, stamped or pristed.

LIABILITY OF CARRIER IS LIMITED. SEE NOTICE ON REVERSE SIDE.

BL NO. MATS 4611116 - 001

	DRAF	T'					LADING PAGE 1 OF 1
SHIPPER				TARIFF	1000	SCHARGE R /7F-CY	BOOKING NUMBER 4611116
NÓVA GROUP INC 185 DEVLIN ROAD NAPA, CA 94558				EXPORT REFRE	NCES		
ONSIGNEE				FORWARDING A	GENT/THIRD PARTY		
NOVA GROUP INC 185 DEVLIN ROAD NAPA, CA 94558				MAIL TO:	ROUP INC 4050		
OTIFY PARTY					INTRY OF ORIGIN		
NOVA GROUP INC PO BOX 4050 NAPA, CA 94558				ALSO NOTIFY PA	ELES, CA UNIT	ED STATES	
ITTAL CARRIAGE		PL	CE OF RECEIPT				
SSEL MANULANI	VOYAGE 116 V	- 1	T OF LOADING DNG BEACH, CA	DOMESTIC ROUT	TING EXPORT INSTRUC	TIONS	
ORT OF DISCHARGE			CE OF DELIVERY				
			PARTICULARS FL	JRNISHED BY	SHIPPER	<u> </u>	
MKS & NOS/CONTAINER NOS	NO. OF PK	as	DESCRIPTION O	OF PACKAGES AND GOODS		GROSS WEIGHT	MEASUREMENT
	TYPE F45H	ТЕМР	GENERAL CARGO THESE COMMODITIES, UNITED STATES IN A REGULATIONS. DIVER FREIGHT PREPAID CTR NUMBER SE MATU345126 -1 SHIPPED ON BOARD:	CCORDANCE WITH SION CONTRARY EAL NUMBER	H THE EXPORT	ADMINISTRATIO PROHIBITED.	KGS CBM FROM THE
ITEM	DESCRIPTION O	FCHAR	GES RB	CUANTITY	RATE	PREPAID	COLLECT
	V GUAM CUST		QUARANTINE AGENCY				
NOTICE Masson Navigation Company, Inc. here of the sealed container of packages or said to contain the Goods described ale examel good order and condition unles. Shipper agrees, and the Consignee and purchasing this lastrument for value, it	other shipping units ove in apparent is otherwise stated. Ti		Aset of 1 originals of thi Carrier. Upon surrander to properly endorsed, all othe Matson Navi BY:	the Carrier of any one n		PLACE OF ISSUE PHOENIX BAL NO.	MOWDAY/YEAR NOV/19/2015

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	DRAFT	·					LADING PAGE 1 OF 1				
SHIPPER				TARIFF	DOC	DR /7F-CY	BOOKING NUMBER 4611116				
NÓVA GROUP INC 185 DEVLIN ROAD NAPA, CA 94558				EXPORT REFRE	NCES			-			
CONSIGNEE			······································	EORHIADORIC A	GENT/THIRD PARTY			_			
NOVA GROUP INC 185 DEVLIN ROAD NAPA, CA 94558				MAIL TO: NOVA GF PO BOX	MAIL TO: NOVA GROUP INC PO BOX 4050 NAPA, CA 94558						
IOTIFY PARTY	,	· · · · · · · · · · · · · · · · · · ·			NTRY OF ORIGIN			noise .			
NOVA GROUP INC PO BOX 4050 NAPA, CA 94558				ALSO NOTIFY P	ELES, CA UNI	TED STATES		_			
NITIAL CARRIAGE		PLACE OF RECE	PT THE								
VESSEL MANULANI	VOYAGE 116 W	PORT OF LOADIN		DOMESTIC ROU	TING EXPORT INSTRU	CTIONS		_			
PORT OF DISCHARGE GUAM, GU		PLACE OF DELIV									
		PAR	TICULARS FUR	NISHED BY	SHIPPER	1					
MKS & NOS/CONTAINER NOS	NO. OF PKG	······································		PACKAGES AND GOOD		GROSS WEIGHT	T MEASUREMENT	_			
	TYPE 1	GENER THESE UNITE REGUL FREIG TEMP CTR N MATU3	F 45H AL CARGO COMMODITIES, 1 D STATES IN ACC ATIONS. DIVERS: HT PREPAID UMBER SEA 45126 -1 ED ON BOARD:	CORDANCE WIT ION CONTRARY L NUMBER	H THE EXPOR: TO U.S. LAI QTY / TYPE	ADMINISTRAT	KGS CBM D FROM THE ION PAGE 100	RY			
							NOV 25 2015	CE			
ITEM	DESCRIPTION OF	CHARGES	RB	QUANTITY	RATE	PREPAID	COLLECT	-			
E. Spewarz	I DI GOMILLE		TYCE D	STUND # 003	IDATED*			The second secon			
Ε;	SCUADRA, J	ONAST.	J.	*CREDIT VAI	IDATED.	L					
NOTICE Masson Navigation Company, Inc. her of the sealed container of packages or said to contain the Goods described a external good order and contilision un- Shipper agrees, and the Consignee a	eby acknowledge receip r other shipping units bove in apparent ess otherwise stated. Th nd every person	K Ca pro	set of 1 originals of this to rrier. Upon surrender to the operly endorsed, all others Matson Navigal BY:	e Carrier of any one	issued by the negotiable bill of ladi	PHOENIX B/L NO.	MONDAY/YEAR NOV/19/2015				
parchasing this instrument for value, it having an interest in the Goods is acti- custody, carriage and delivery of the C the terms and conditions set forth and reference on this side and the reverse stamped or printed.	ised that the receipt, Soods are subject to all Incorporated by	٦	THE Senior Vice Presid			MATS 46	511116 - 001	J			

		JOB NAME: DESC LOCATION: GUAM CONTRACT NO:	GUA	C 1303, Upgrade Fuel M	JOB NAME: DESC 1303, Upgrade Fuel Pipeline AAFB to Sasa Valley LOCATION: GUAM CONTRACT NO:	ley						S	UBI		ĮΑ	꼰	EGIS	SUBMITTAL REGISTER	~	
	***************************************	CONTRACTOR:	NOV	CONTRACTOR: NOVA Group - Underground Construction Co.,		A Joint Venture														
	1/6/2016	6						CON	CONTRACTOR SCHEDU	SCHEDULE S		CONTRACTOR ACTION		Þ	APPROVING AUTHORITY	3 AUTH	ORITY			CURRENT OVERDUE (CD)
(a)	(b)	(c)		((d)	(e)	3	(g)	(h)	(0)	9	(k)	(1)	(m)	(n)	(0)	(p)	(p)	(3)	
887 PRO 03A	0134.00	26 32 15.00 10	1S 20	Shop Drawings	Detailed Drawings	1.4.7	G	10/24/14	11/	4 4/20/15	Α	10/24/14	10/24/14				11/26/14	11/26/14	5	
1	0134,00	26 32 15.00 10		Shop Drawings	Acceptance	3.10	G	10/24/14		1	Þ	10/24/14	10/24/14			C	11/26/14	11/26/14	5	
889 PRO 03A	0134.00	26 32 15.00 10	03 Pr	Product Data	Harmonic Requirements	1.2.7		10/24/14	4 11/21/14	4 4/20/15	A	10/24/14	10/24/14			TI	11/26/14	11/26/14	5	
890 PRO 03A	0134.00	26 32 15.00 10	03 Pr	Product Data	Engine-Generator Parameter Schedule	e 1.2.1		10/24/14	4 11/21/14	4 4/20/15	Þ	10/24/14	10/24/14			Þ	11/26/14	11/26/14	5	
891 PRO 03A	0134.00	26 32 15.00 10	03 Pr	Product Data	Heat Exchanger	2.7.2		10/24/14	4 11/21/14	4 4/20/15	Þ	10/24/14	10/24/14			Ti	11/26/14	11/26/14	5	
892 PRO 03A	0134.00	26 32 15.00 10	03 Pr	Product Data	Generator	2.14	G	10/24/14	4 11/21/14	4 4/20/15	Þ	10/24/14	10/24/14			C	11/26/14	11/26/14	5	
893 PRO 03A	0134.00	26 32 15.00 10	03 Pr	Product Data	Manufacturer's Catalog	2.4		10/24/14	4 11/21/14	4 4/20/15	Þ	10/24/14	10/24/14			'n	11/26/14	11/26/14	5	
894 PRO 03A	0134.00	26 32 15.00 10	03 Pr	Product Data	Site Welding	1.4.2		10/24/14	4 11/21/14	4 4/20/15	A	10/24/14	10/24/14			П	11/26/14	11/26/14	5	
895 PRO 03A	0134.00	26 32 15.00 10	03 Pr	Product Data	Spare Parts	1.6		10/24/14	4 11/21/14	4 4/20/15	➣	10/24/14	10/24/14			Π	11/26/14	11/26/14	5	
896 PRO 03A	0134.00	26 32 15.00 10	03 Pr	Product Data	Onsite Training	3.7		10/24/14	4 11/21/14	4 4/20/15	Þ	10/24/14	10/24/14			Ŧì	11/26/14	11/26/14	5	
897 PRO 03A	0134,00	26 32 15,00 10	03 Pr	Product Data	Posted Data and Instructions	3.9	G	10/24/14	4 11/21/14	4 4/20/15	Þ	10/24/14	10/24/14			TI	11/26/14	11/26/14	5	
898 PRO 03A	0134.00	26 32 15.00 10	03 Pr	Product Data	Instructions	3.9	G	10/24/14	4 11/21/14	4 4/20/15	Þ	10/24/14	10/24/14			71	11/26/14	11/26/14	5	
899 PRO 03A	0134.00	26 32 15.00 10	03 Pr	Product Data	Experience	1.4.5		10/24/14	4 11/21/14	4 4/20/15	Α	10/24/14	10/24/14			П	11/26/14	11/26/14	5	
900 PRO 03A	0134.00	26 32 15.00 10	03 Pr	Product Data	Field Engineer	1.4.6		10/24/14	4 11/21/14	4 4/20/15	Þ	10/24/14	10/24/14			≻	11/26/14	11/26/14	5	
901 PRO 03A	0134.00	26 32 15.00 10	03 Pr	Product Data	General Installation	3.2		10/24/14	4 11/21/14	4 4/20/15	Þ	10/24/14	10/24/14			П	11/26/14	11/26/14	5	
902 PRO 03A	0134.00	26 32 15.00 10	03 Pr	Product Data	Neutral Grounding Resistor	2.17		10/24/14	4 11/21/14	4 4/20/15	Α	10/24/14	10/24/14			œ	11/26/14	11/26/14	Մ	
903 PRO 03A	0134.00	26 32 15,00 10	05 De	Design Data	Performance Criteria	2.14	9	10/24/14	4 11/21/14	4 4/20/15	Α	10/24/14	10/24/14			Þ	11/26/14	11/26/14	σ	
904 PRO 03A	0134.00	26 32 15.00 10	05 De	Design Data	Sound Limitations	2.8	G	10/24/14	4 11/21/14	4 4/20/15	A	10/24/14	10/24/14			۸	11/26/14	11/26/14	5	
905 PRO 03A	0134.00	26 32 15.00 10	05 De	Design Data	Day Tank	2.5.4	G	10/24/14	4 11/21/14	4 4/20/15	A	10/24/14	10/24/14			Œ	11/26/14	11/26/14	5	
906 PRO 03A	0134,00	26 32 15.00 10	05 De	Design Data	Power Factor	3.6.1.2		10/24/14	4 11/21/14	4 4/20/15	Þ	10/24/14	10/24/14			Ŧ	11/26/14	11/26/14	5	
907 PRO 03A	0134,00	26 32 15.00 10	05 De	Design Data	Time-Delay on Alarms	2.19.5		10/24/14	4 11/21/14	4 4/20/15	A	10/24/14	10/24/14			Œ	11/26/14	11/26/14	5	
908 PRO 03A	0134.00	26 32 15.00 10	05 De	Design Data	Battery Charger	2.12.3.2	G	10/24/14	4 11/21/14		Α	10/24/14	10/24/14			≻	11/26/14	11/26/14	51	
909 PRO 03A	0134,00	26 32 15.00 10	06 Te	Test Reports	Factory Inspection and Tests	2.26		10/24/14	4 11/21/14	N/A	Þ	10/24/14	10/24/14			'n	11/26/14	11/26/14	Un.	
910 PRO 03A	0134.00	26 32 15.00 10	06 Te	Test Reports	Factory Tests	2.26.2		10/24/14	4 11/21/14	4 N/A	Α	10/24/14	10/24/14			71	11/26/14	11/26/14	5	
911 PRO 03A	0134.00	26 32 15.00 10	91.	Test Reports	Onsite Inspection and Tests	3.6	G	10/24/14	11/21/14	A/N	A	10/24/14	10/24/14			≯	11/26/14	11/26/14	5	
912 PRO 03A		26 32 15.00 10	07 Ce	Certificates	Cooling System	2.7				4/20/15										
913 PRO 03A		26 32 15.00 10	07 Ce	Certificates	Cooling System	2.7				4/20/15										
914 PRO 03A		26 32 15.00 10	07 Ce	Certificates	Prototype Test	2.26.2				4/20/15										
915 PRO 03A		26 32 15.00 10	07 Ce	Certificates	Reliability and Durability	1.2.5				4/20/15										
916 PRO 03A	0134.00	26 32 15.00 10	07 Ce	Certificates	Emissions	2.11		10/24/14	11/21/14	4 4/20/15	Þ	10/24/14	10/24/14			711	11/26/14	11/26/14	5	
1	0227.00	26 32 15.00 10	07 Ce	Certificates	EPA Generator Permit Application	2.11	FIO	1/28/15	2/25/15		Þ	1/28/15	1/28/15			71	2/18/15	2/18/15	-7	
917 PRO 03A	0134.00	26 32 15.00 10	07 Ce	Certificates	Sound Limitations	2.8		10/24/14	11/21/14	4/20/15	Þ	10/24/14	10/24/14			Tì	11/26/14	11/26/14	5	
918 PRO 03A	0134.00	26 32 15.00 10	07 Ce	Certificates	Site Visit	3.1		10/24/14	11/21/14	4 4/20/15	Þ	10/24/14	10/24/14			TI	11/26/14	11/26/14	5	
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CONTRACT NO. N40192-14-C-1300 DESC1303 UPGRADE FUEL PIPELINE SASA VALLEY FUEL FARM TO ANDERSEN AIR FORCE BASE, GUAM

Submittal Section # 01 32 17.00 20

Certified/Approved by QC Manager

Trans	smittal # 049	2.02		Date:	1/13/2016	
Submittal Register Item #	Paragraph #	SD-#	Submittal Type G - FIO	Descriptio	n	
	1.7.1	01	G	Revised Monthly Network Analysis for November	2015	
***************************************			•			
					4	

NOTE:						
I hereby certify that the (equipment) (material) (article) shown and marked in this submittal is that proposed to be incorporated with Contract Number N40192-14-C-1300 is in compliance with the contract drawings and specifications, and can be installed in the allocated spaces and is X submitted for Government approval or approved for use/ for information only.						
Certified by Su	ubmittal Reviewe	er	McKee, Scott	Date 1/13/2016		

McKee, Scott

13-Jan-2016

Date

PROJECT:

DESC1303 Upgrade Fuel Pipeline

CONTRACT NO.

N40192-13-R-1300

LOCATION:

AAFB AFB & Naval Base, Guam

DATE:

12/02/2015

SUBJECT:

Project Narrative through 11/30/2015 for Schedule Update #16.

I. Progress Made in Each Area of the Project

A. AAFB Pipeline:

- 1. Continue pipe prefabrication, coating, NDE testing activities, and PCO-04 UV Pipe Wrap from Potts Junction (STA 595+00) to Fort Juan Muna (STA 197+00)
- 2. Continue Pipeline Cathodic Protection System Installation
- Complete PCO-27 Road A Pipeline Activities including Mag & Dig, pipe stringing, pipe placement, and backfill.

B. AAFB Filtration Building Expansion:

- 1. Continue building electrical inside Filter Building, Equipment Pad, and Surge Tank Pad
- 2. Commence coating of pipe and equipment on Equipment Pad and Surge Tank Pad
- 3. Commence coating of building interior
- 4. Complete set of Surge Tank at Surge Tank Pad

C. Navy Pipelines:

- 1. Continue pipe placement for Navy Pipeline P1 LPD, HPV, and Valve Vaults
- 2. Complete F/R/P LPD Vault 2
- 3. Commence F/R/P LPD Vault 3
- 4. Commence LPD and HPV pipe fabrication for Navy Pipeline P2

D. SASA Valley Area:

- 1. Continue installation of dig, lay, backfill of underground electrical duct bank
- 2. Continue underground utilities at PH area
- 3. Continue PH and Generator Building construction (Slab, Walls and Columns)
- 4. Complete F/R/P Transformer Pad
- 5. Commence Additive Tank Pad
- 6. Commence TEMP Containment for Manifold Pit Expansion
- Continue coordination for upcoming outages associated with unforseen fuel pipeline and GPA utilities
- 8. Commence operations including cleanout and placement of manholes at previously accomplished manhole excavations from MH-10 to MH-28 using anomaly avoidance

E. Piti Electrical Substation & Duct Bank:

- 1. Complete new Chain Link Fence
- 2. Continue coordination for Piti substation activities with GPA and DZSP

F. Tivan Station:

1. Continue utility investigation for pipeline installation (GPR and Verification)

II. Changes Made to Construction Schedule

A. Activities

1. Added on hold PCO4 for the following activities at PITI and removed on hold for the Road A activities which were completed this period.

Activity Name			
Activity Id	Activity Name	New Activity Name	Old Activity Name
APLN-K9a	Replace asphalt at "New Rd A" sta 697+25 to 703+00	Replace asphalt at "New Rd A" sta 697+25 to 703+00	Replace asphalt at "New Rd A" sta 697+25 to 703+00 *On Hold*
APLN-K9B	Replace asphalt at "New Rd A" sta 705+50 to 708+50	Replace asphalt at "New Rd A" sta 705+50 to 708+50	Replace asphalt at "New Rd A" sta 705+50 to 708+50 *On Hold*
PESS4950	Provide Temporary	Provide Temporary	Provide Temporary

	Power/Switching for circuit P-4 *on hold* RFI 118 *On Hold PCO- 4*	Power/Switching for circuit P-4 *on hold* RFI 118 *On Hold PCO- 4*	Power/Switching for circuit P-4 *on hold* RFI 118
PESS4960	Provide Temporary Power/Switching for circuit P- 6*On Hold PCO-4*	Provide Temporary Power/Switching for circuit P- 6*On Hold PCO-4*	Provide Temporary Power/Switching for circuit P-6
PESS2970	Remove existing fencing & install temporary fence	Remove existing fencing & install temporary fence	Remove existing fencing & install temporary fence *On Hold PCO-4*
PESS2960	Provide Temporary Power/Switching for circuit P-2 *On Hold PCO-4*	Provide Temporary Power/Switching for circuit P-2 *On Hold PCO-4*	Provide Temporary Power/Switching for circuit P-2
PESS1770	Provide Temporary Power/Switching for circuit P-1 *On Hold PCO-4*	Provide Temporary Power/Switching for circuit P-1 *On Hold PCO-4*	Provide Temporary Power/Switching for circuit P-1

B. Original Durations:

1. No changes.

C. Logic Interdependencies

1. Revised ties for delivery of remaining pipe to eliminate out of sequence progress as enough pipe has been delivered to prefab 60,300 feet of AAFB pipeline. Remaining pipe delivery tied to the following activities currently in progress:

	the following a	ctivities currently in	progress:		
III. The followi	ng Successor Relation	ships have been added	I to the project		
Activity Id	Activity Name	Relationship Lag	Relationship Type	Successor Activity Id	Successor Activity Name
PR02D2	Deliver Fuel Pipe (Balance)	0.0	Finish to Start	APLN-E1	Prefabricate 10" JF from Sta 304+05 to 326+40
		Relationships	Added/Deleted		
The following Succes	sor Relationships have	been deleted from the	project		
Activity Id	Activity Name	Relationship Lag	Relationship Type	Successor Activity Id	Successor Activity Name
PR02D2	Deliver Fuel Pipe (Balance)	0.0	Finish to Start	APLN-A1	Prefabricate 10" JF from Sta 1+00 to 100+00
PR02D2	Deliver Fuel Pipe (Balance)	0.0	Finish to Start	NPLS-A-RA	Excavate for Repair (N1.1) (C-451)
PR02D2	Deliver Fuel Pipe (Balance)	0.0	Finish to Start	APLN-BB01	Install New 10" Pipeline AOA East (Bore#1, 167+25 to 172+25) *On Hold*

A. Milestones

- 1. A time extension has been granted per MOD P00021 for PCO 5 which extended the contract completion date 83 days from May 11, 2016 to August 2, 2016.
- B. Changes to Planned Sequence of Operations
 - 1. No changes effecting Gov't sequence of operations.

C. Critical Path

1. The critical path is currently shown as driven by excavation of the AAFB pipeline. Off base

excavation has been on hold since 15 July 2014 per Government Serial Letter RF-140080/jlg

- D. Cost Loading
 - 1. No changes.

IV. Pending Items and Status Thereof

- A. Permits
 - 1. GEPA
 - Sasa Valley Generator Permit in progress. Permit has been submitted by NAVFAC to GEPA
- B. Change Orders
 - 1. PCO-04: UXO for AAFB Pipeline and Piti Duct Bank from Piti to Sasa Valley
 - RFP REV0 Received 5/29/15
 - RFP REV0 Cancelled 7/2/15
 - RFP REV1 Received 9/4/15
 - Proposal REV0 submitted 10/19/15
 - Proposal REV1 submitted 11/20/15
 - Current status is pending NAVFAC review
 - 2. PCO-05: UXO for Navy Repairs from Sasa Valley to Tiyan Station (MOD P0004 and MOD P0007)
 - Negotiations are ongoing
 - Submit notice of 50% of MOD NTE on 9/4/15
 - MOD P00021 received 11/16/15 extending CCD from 5/11/16 to 8/2/16
 - NAVFAC to issue unilateral for additional effort per email 10/26/15, no modification received to date
 - Current status is open with NAVFAC to either issue unilateral modification or continue negotiations.
 - 3. PCO-07: RFI 0049 GPA Comments
 - RFP received 6/1/15
 - Proposal REV0 submitted 6/12/15
 - Negotiations concluded 9/17/15
 - Proposal REV1 submitted 9/18/15
 - 4. Current status is awaiting formal MOD PCO-09: Unmarked Utilities along Easement
 - NAVFAC request to submit REA for any additional effort due to utilities encountered on AAFB Easement
 - 5. PCO-19: AAFB Filter Building Floor Drains
 - Proposal REV0 submitted 5/12/15
 - Proposal accepted 7/12/15
 - Proposal REV1 submitted 7/31/15
 - Current status is negotiation completed awaiting contract modification
 - 6. PCO-20: Geo-tech Report Changes
 - RFP received 10/23/15
 - Proposal submitted 11/13/15
 - Current status is pending NAVFAC review. No date for negotiations set.
 - 7. PCO-21: Type II Anchor Bolts
 - RFP received 6/24/15
 - Proposal submitted 6/27/15
 - Current status is negotiation completed awaiting contract modification
 - 8. PCO-22: Cost impact for existing SVPH Manifold Pad
 - RFP received 11/2/15
 - Proposal submitted 11/23/15
 - Current status is pending NAVFAC review. No date for negotiations set.
 - 9. PCO-28: Road A Stockpile Clearing
 - RFP forthcoming
 - 10. PCO-38: RFI 0130 (GPA Line Conflict)
 - RFP received 11/13/15

- Proposal submitted 11/18/15
- Current status is pending NAVFAC review. No date for negotiations set.
- 11. PCO-41: P2 Pipeline Modification at Valve Vault V1
 - · Current status is RFP forthcoming
- 12. PCO-42: Pig Launcher Pad Changes
 - RFP received 11/10/15
 - Proposal submitted 11/18/15
 - Current status is pending NAVFAC review. No date for negotiations set.
- 13. PCO-43: Additional Concrete at LPD Vault #3
 - · Current status is RFP forthcoming
- 14. PCO-46: Pipe and Fitting Modification at SVPH Manifold Pit
 - · Current status is RFP forthcoming
- 15. PCO-55: Navy Pipeline Cathodic Protection System
 - Current status is RFP forthcoming
- 16. PCO-56: AAFB Equipment Pad PRT Tie In
 - Current status is RFP forthcoming
- 17. PCO-57: Unforseen Conditions at PCO-27 Road A due to Duct Bank Conflict
 - Current status per NAVFAC direction is submit REA for costs incurred to date
- 18. Outstanding Open Items:
 - RFI:
 - o 0103 Utility Conflict at P.I. 643+13.51
 - 0106 Hydrant Flow Test #2 at 195PSI
 - 0132 New LPD Vault 3 Wall Height
 - 0134 Fire Suppression at Sasa Valley PH
 - o 0143 Manifold Pit Suction Header Configuration
 - 0147 Navy Pipelines Cathodic Protection System
 - o 0152 Manifold Pit Platform Conflict
 - 0165 Pipeline Nitrogen
 - o 0166 AAFB Pipeline Cathodic Protection
 - Unforeseen / Changed Conditions Notifications Submitted:
 - Serial Letter 039F Notification of Delay, Arc Light and Marinas Road Crossing -DN-06 - 30 January 2015
 - Serial Letter 041F Notice of Unforeseen Conditions/Differing Site Conditions 002-Unmarked Utilities - 7 February 2015
 - Serial Letter 043F PCO-03 Scope Clarification, DN-07
 - Serial Letter 044F Notice of Unforeseen Conditions/Differing Site Conditions 003-Unmarked Utilities - 20 February 2015
 - Serial Letter 047F Notice of Unforeseen Conditions/Differing Site Conditions 004-Unmarked Utilities - 18 February 2015
 - Serial Letter 061F Notice of Unforeseen Conditions/Differing Site Conditions 008-Unmarked Utilities - 22 April 2015
 - Serial Letter 070F Notice of Unforeseen Conditions/Differing Site Conditions 009-Sasa Valley PH Unknown Fuel Vapor - 28 April 2015
 - Serial Letter 074F Notice of Unforeseen Conditions/Differing Site Conditions 010-Unmarked Utilities - 18 May 2015
 - Serial Letter 083F Cost Increase Notification Generated by RFI Response RFI 0103 - 05 June 2015
 - o Serial Letter 094F Notification for Project Standby Status 30 June 2015
 - Serial Letter 101F Notification of Delay MEC at STA 643+13.51, DN-17 10 July 2015
 - Serial Letter 102F Notice of Unforeseen Conditions/Differing Site Conditions
 013-Concrete Slab in Upper Sasa Impacting Fire Line 13 July 2015
 - Serial Letter 105H Notice of Unforeseen Conditions/Differing Site Conditions –

- Basalt Encountered at Sasa Valley Generator Building 8 July 2015
- Serial Letter 106H Unforeseen Condition at Navy Repair Locations N1.21 and N1.22 - 13 July 2015
- Serial Letter 107F Notice of Unforeseen Conditions/Differing Site Conditions
 012 Existing Utilities at Sasa Valley Manifold Pit and Pig Launcher Pad 9 July
 2015
- Serial Letter 109H Response to RF150106, PC005 Community Outreach 30
 July 2015
- Serial Letter 115F Notification of Delay NAVSUP Fuel Ops Delay Impact, DN-18
 30 July 2015
- Serial Letter 117F Cost Increase Notification Generated by RFI Response RFI 0117 - 31 July 2015
- Serial Letter 118F Notice of Unforeseen Conditions/Differing Site Conditions
 014-Unmarked Utilities 8 August 2015
- Serial Letter 120F Notification of Delay NAVSUP Fuel Ops Delay Impact, DN-19
 7 August 2015
- Serial Letter 122F Notification of Potential Cost and Time Impact for Piti Substation, DN-20 - 7 August 2015
- Serial Letter 123F Notification of Delay NAVSUP Fuel Ops Delay Impact, DN-21
 17 August 2015
- Serial Letter 124F Notification of Delay NAVSUP Fuel Ops Delay Impact, DN-22
 30 August 2015
- Serial Letter 127F Notice of Unforeseen Conditions/Differing Site Conditions
 016-Excavation Depth at Navy Repair N1.20 29 August 2015
- Serial Letter 128F Notification of Delay NAVSUP Fuel Ops Delay Impact, DN-23
 29 August 2015
- Serial Letter 133F Notification of Delay NAVSUP Fuel Ops Delay Impact, DN-24
 5 September 2015
- Serial Letter 137F Notification of Delay NAVSUP Fuel Ops Delay Impact, DN-26
 12 September 2015
- Serial Letter 143F Notification of Delay NAVSUP Fuel Ops Delay Impact, DN-27
 10 October 2015
- Serial Letter 149F Notice of Unforeseen Conditions/Differing Site Conditions
 017- Duct Bank at Road A within STA 698+27 to STA 714+07 19 October 2015
- Serial Letter 151F Notice of Unforeseen Conditions/Differing Site Conditions
 018- Archeological Items at N2.29 23 August 2015
- Serial Letter 152F Notification of Delay NAVSUP Fuel Ops Delay Impact, DN-29
 24 October 2015
- Email 11/13/15: KO Notification of Unforseen Utilities on Easement
- o Email 11/20/15: KO Notification of Unforseen Utilities on Easement

C. Time Extensions

- 1. Contract completion date has been changed due to PCO-05 to 8/2/16
- 2. Time extension is anticipated due to unforeseen conditions and upcoming PCO's

V. Status of Contract Completion Date and Interim Milestones

A.	Contrac	t Completion Date (02Aug16)	31Mar17
	1.	Commission New Air Force & South Navy Pipelines (20Oct15)	20Jun16
	2.	Commission Exist Air Force & North Navy Pipelines (25Mar16)	19Dec16
	3.	Commission Sasa Valley Pump System (29Apr16)	26Jan17

- B. Current and anticipated delays (describe cause of the delay and corrective action)
 - 1. Delay in start activity APLN-20A1 caused by unknown utility in Road "A" corridor. Road A

has been re-sequenced for activities to occur prior to pipeline work which is on hold due to PCO4. Due to UXO discovered 6/15/15, balance of Road A Excavation from STA 698+27 to 713+37 has required Mag & Dig per PC-27. Mag & Dig for PCO-27 is complete; however unforseen utilities were encountered during Mag & Dig operations. Await Ultralean RFP for cost incurred due to unforseen utilities as outlined in Serial Letter F-149. Nova-UCCo continues to prosecute available critical path activities outside those impacted by the off-base suspension.

- Impact due to government imposed requirements for MEC clearance on all federal leased and easement property began starting 15 July 2014, established at the start of the constructive suspension of all off base excavation activities when PCO-03 was received (Activity ID APLN-A2 through APLN-I2). This impact to complete all off base pipeline has been driving the critical path since October 2014 when delay of award of modification P00003 consumed the project float and made pipeline excavation and installation activities critical path. November NAS 16 reflects -241 days of float, which has been greatly reduced from the potential 361 days shown when compared to our baseline (from 04 Dec 2014 to current data date 01 Dec 2014). This was accomplished by mitigation efforts by Nova-UCCo, including completion of all off base prefabrication and coating activity available and resequencing all non-critical path work in an inefficient and cost intensive manner to ensure these activities are not moved to critical path. It should be noted that impact due to should be evaluated relative to late start of off base excavation activities, and not as suggested by Gov't response to submittal 0457 which reference impact date of 21 May 2015. The intent of Nova-UCCo Serial Letter F-076 was to request clarification regarding the ability to excavate off base once PC003 activities had been completed and no further direction had been received. November NAS 16 reflects -241 days of float, which has been greatly reduced from the potential 361 days shown when compared to our baseline (from 04 Dec 2014 to current data date 01 Dec 2014) which is significantly less what the full impact from inability to excavate off base should have been at the current data date for the pipeline project if Nova-UCCo did not re-sequence the baseline schedule in July 2014 to accommodate additional government imposed MEC requirements. Note that current late start date to start off base excavation (APLN-A2) is April 7, 2015 including the additional time required for PCO-5 work on pipeline 2 as well as the 83 day time extension, which was only the impact to the schedule for PCO5 activities.
- 3. Delay in start in activity TSV5-15 (Tiyan Valve Vault) and all associated downstream activities due to PCO-04 and future MEC ahead of construction activities. Corrective action unknown until direction is received.
- Delay in start in activity NPLN01 (Request North Navy Pipeline Outage) and all associated downstream activities due to PCO-04 and future MEC ahead of construction activities. Corrective action unknown until direction is received.
- 5. Delay in start in activity PL1-80 (Navy Pipeline 1 South & New Air Force Pipeline ready for Hydrotesting) and all associated downstream activities due to PCO-04 and future MEC ahead of construction activities. Corrective action unknown until direction is received.
- 6. Delay to activity PEDB50a (Excavate and Install MH-10 through MH-15) and all associated downstream activities due to UXO discovered at MH-17 on 6/9/15. Government has provided direction per Serial Letter RF-150103. Nova-UCCo evaluating logistics to perform MEC requirements outlined per Government direction to proceed.
- Delay in start in activity AFVV7-10 (Valve Vault 7) and all associated downstream activities
 due to PCO-04 and future MEC ahead of construction activities. Corrective action unknown
 until direction is received.
- 8. Delay in start in activity APLN-BB01 (Horizontal Directional Drilling) and all associated downstream activities due to PCO-04 and future MEC ahead of construction activities. Corrective action unknown until direction is received.
- 9. Delay in start of activity PESS5100 (Manhole inside Piti Substation) and all associated downstream activities due to PCO-04 and future MEC ahead of construction activities.

- Corrective action unknown until PCO-04 proposal is accepted.
- 10. Delay in start of activity PEDB20A and PEDB20B (Piti Duct Bank) and all associated downstream activities due to PCO-04 and future MEC ahead of construction activities. Corrective action unknown until direction is received.
- 11. Delay in start of activity SVMP20 (FRP new manifold pit) and all associated downstream activities due to RFI 0109 and RFI 0130. Due to conflict of existing fuel lines, unable to construct entire manifold pit. Corrective action unknown until direction is received.
- 12. Delay in start of activity SVPL05 (Excavate for pig launcher pad) and all associated downstream activities due to RFI 0123 and RFI 0130. Corrective action unknown until direction is received.
- 13. Current delay to the project shown on the November NAS is from 07 April 2015 to current Data date of 01 December 2015. NAVFAC requests mitigation or justification of additional 25 days from current schedule but this duration represents the difference between NAVFAC interpreted impact date of 02 May 2015 and actual impact date to project regardless of PC003 or PC004 where project schedule was forced past late start date of excavation activity APLN-A2 with no actions available to Contractor to start this activity due to suspension of all off base excavation as noted in No.2 above. No mitigation of the schedule is possible without acceleration of activities, and because all critical path activities are suspended no mitigation is possible. It should be noted that all activities not affected by either formal or constructive suspension remain in positive float and/or will be completed at or before the completion dates required on the current NAS which negates the basis for any retention withheld to date, which would only be withheld if actual damages were possible from current construction impacts caused by contractor.
- C. Description of Current and Future Schedule Problem Areas
 - 1. Construction activities associated with PCO-04
 - 2. Construction activities downstream of PCO-04
 - Construction activities associated with PCO-05
 - 4. Construction activities downstream of PCO-05
 - 5. Delays associated with changes to UXO are resulting in decreased production due to reduced manpower and starting/stopping of activities.
 - Delay in activities related to excavation of Navy pipeline N and S repairs and LPD for MEC clearance related to PCO-05 at navy pipeline segments.
 - 7. Construction activities associated with Sasa Valley PH Manifold Pit and Pig Launcher Pad due to unforseen conditions.
- D. Schedule Attachments
 - 1. Time scaled logic diagram
 - 2. Critical path sort
 - 3. P6 .xer file backup

Contractor Invoice No. 20



Serial Letter H-0220 29 September 2016

Naval Facilities Engineering Command Marianas

Attn: Jenais Guerrero Pedro LG Roberto Drive, Apra Heights Building 4175, 2nd Floor, Room A206 Santa Rita, Guam 96915

Re:

DESC 1303 Upgrade Fuel Pipeline, Sasa Valley Fuel Farm to AAFB

Contract No. N40192-13-R-1300

Subject: Contractor Invoice No. 20 – July 2016

Ms. Guerrero,

Enclosed please find for your records the following hard copy documents which are being submitted with our Contractor's Invoice No. 20, requesting payment for work performed in July 2016 in the amount of \$3,711,081.96 for the above referenced project.

- Contractor's Invoice NAVFAC 7300/30 form
- 2. Earned Value Summary Report by CLIN
- 3. Earned Value Report signed/approved by FEAD Rep
- 4. Monthly Labor Hour and Safety Audit Summary
- 5. Contractor Safety Self Certification
- 6. C & D Diversion Summary Report
- 7. Monthly DFAR 252.247-7023 Cert
- 8. BOL Log
- 9. List of Stored Materials
- 10. Vendor Invoices for Stored Materials
- 11. Payroll Verification for JV *
- 12. Payroll Verification for Subcontractors *
- 13. Project Submittal Register
- 14. NAS Schedule update
- 15. NAS Schedule Narrative Report

If you have any questions, please do not hesitate to contact me. I can be reached at 707-265-1162 or by email at aisle@novagrp.com.

NOVA Group, Inc. - Underground Construction Company Inc., a Joint Venture

Aaron Isle Brasen

Diskally signed by Aaron Isle
DN: OeUS, E-aisle@novagn.com, O>TNOVA Grou
Inc.* DU-Project Manager. CN-Aaron Isle
Discation, Napo, CA
Reason; I have reviewed this document
Conjust Info. Aaron Isle
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Aaron Isle Project Manager





^{*} These documents were transmitted via CD, and not uploaded into the WAWF system.

NAVAL FACILITIES ENGINEERING COMMAND CONTRACTOR'S INVOICE

NAVFAC 7300/30 (Dec 2012)

	INVOICE DATE	03-Oct-2016
	20 (July 2016)	
FROM: Nova Group - Underground Construc	tion Co a Joint Venture, 18	Devlin Road Napa CA
TO: Naval Facilities Engineering Comm	and Marianas	
Below is a Statement of Performance under Contract	N40192-14-C-1300 at (Station)	Naval Facilities Engineering Command Marianas
The enclosure provides breakdown of this statement of performa	nce.	
	700000	
A. Total value of contract through change	P00029	\$61,365,102.87
B. Percentage of performance complete		62.91%
C. Value of completed performance		\$38,606,754.90
D. Less: Retention held from subcontractors and supp	oliers (if applicable)	\$0.00
E. Less: Retention withheld from prime contractor		(\$107,118.37)
F. Less: Total of previous payments		(\$34,788,554.57)
G. Subtotal		\$3,711,081.96
H. Release of Government Retention Requested		\$0.00
I. Total Amount of this invoice	a music	\$3,711,081.96
	Aaron Isle	Project Manager
	Signature	Title

CONTRACTOR'S CERTIFICATION

52.232-5 PAYMENTS UNDER FIXED-PRICE CONSTRUCTION CONTRACTS (MAY 1997)

I hereby certify, to the best of my knowledge and belief, that:

- (1) The amounts requested are only for performance in accordance with the specifications, terms, and conditions of the contract;
- (2) Payments to subcontractors and suppliers have been made from previous payments received under the contract, and timely payments will be made from the proceeds of the payment covered by this certification, in accordance with subcontract agreements and the requirements of Chapter 39 of Title 31, United States Code:
- (3) This request for progress payments does not include any amounts which the prime contractor intends to withhold or retain from a subcontractor or supplier in accordance with the terms and conditions of the subcontract; and
- (4) This certification is not to be construed as final acceptance of a subcontractor's performance.

Aaron Isle	04-Aug-16
Signature	Date
Aaron Isle	Project Manager
Name	Title

(The above certification applies to all contracts awarded on or after 01 April 1989.)

QUALITY CONTROL MANAGER'S CERTIFICATION

I hereby certify that the as-built drawings are current and the work for which payment is requested, including stored material, is in compliance with the contract requirements.

Reynaldo Pelagio	Digitally signed by Reynaldo Pelagio DN: cn-Reynaldo Pelagio, b Nova Group Inc., bu, email =rpelagio@novagrp.com, c= US Date: 2016.09 13 09:39:25 +10°30°	04-Aug-16
Signature		Date
Reynaldo Pela	gio	Quality Control Manager
Name		Title



CONTRACT NUMBER:

N40192-14-C-1300

CONTRACT DESCRIPTION:

FY13 MILCON PROJECT DESC1303 UPGRADE FUEL PIPELINE

MONTHLY EXPOSURE REPORT

Reporting period: 7/1/16 to 7/31/16

CONTRACTORS:	Total hours worked this period	Cumulative hours for Fiscal	Cumulative hours for Fiscal	Cumulative hours for Fiscal
		Year 2014	Year 2015	Year 2016
PRIME	3,476.0	3,281.0	65,049.0	36,526.5
SUBCONTRACTORS	13,133.0	2,757.0	69,572.5	57,325.0

SAFETY RELATED INCIDENTS:

Category:	Incidents this	Cumulative	Cumulative	Cumulative
	period	incidents for Fiscal	incidents for Fiscal	incidents for Fiscal
		Year 2014	Year 2015	Year 2016
First Aid	0	0	0	0
Good Catch	0	0	9	7
Lost Time	0	0	0	0
Recordable	0	0	2	0

_					
Ce	rtı	Ťŧ	oπ	n	١,,
~			Cu	v	٧.

Schuyler, Kody

Digitally signed by Schuyler Kody

Dit dictional did erquantaterories,
our Notion
oul-Cutant Subsidiary, our Notion
oul-Cutant Cutal Bud 1912 224 21 1000'

Signature

08/09/2016

Date

This report has been reviewed and found to reflect actual site conditions for this period.

ensens

Digitally signed by IBANEZ.MAURICE.P.11 84802895 Date: 2016.08.23 07:09:02 +10'00'







CONTRACTOR SITE SAFETY ASSESSMENT

ROICC OFFICE:	NAVEA	C Mari	anas	DATE: 07/31/2016	
CONTRACTOR:	NOVA-	ucco	J۷		
CONTRACT TITLE	Upgrad	ie Fuel	Pipeli	ne CONTRACT 60.00 % COMPLETE:	
CONTRACTOR SU	PERIN	<u> TENDE</u>	<u>NT</u> : _	Bruce Levan	
CATEGORY:					
	(Yes)	(No)	(N/A)	<u>-</u>	
PREPARATORY				1) Activity Hazard Analysis performed and used on the site for each definable feature of work?	1
PHASE (Planning)				2) Are weekly safety meetings and indoctrination held on site and documented for all workers?	
Comments/Notes:	⊘			3) Is the submitted safety plan on site and in use? 4) Is the Activity Hazard Analysis reviewed during the preparatory inspection?	
	₹.			5) Hazardous materials program in place with MSDS sheets on site and maintained?	ļ
				6) EM 385-1-1 available on the site?	
	L_1		رکا	7) Other? Extra Credit?	
OFFICE TRAILER	Ø			8) Are office and storage trailers anchored?	L
GENERAL Comments/Notes:	3			9) Are emergency phone numbers posted?	
Comments/Notes.			П	10) Is a phone available? 11) First aid log maintained (contractors must use OSHA Form 300)?	
	☑			12) Toilet facilities available?	
				13) Site posted "HARD HAT AREA," "NOISE HAZARD," "CONSTRUCTION AREA," etc., as required?	
	2	ö	ä	14) Garbage cans and dumpsters available? 15) Jobsite cleaned daily?	
	Ø			16) Is traffic control around site adequate?	
			Ø	17) Other? Extra Credit?	
FIRE PREVENTION	Ø			18) Are fire extinguishers available, fully charged, and easily visible within 75 feet for low hazard areas?	l
Comments/Notes:	Ø			19) Is fuel stored in proper containers?	
	2			20) Are hot work permits being obtained?	
	!			21) Are fire watches provided?	
	Ø	Ō		22) Are gas cylinders stored upright and secured with chain or rope? 23) Is Housekeeping acceptable?	
			☑	24) Other? Extra Credit?	
SCAFFOLD	Ø			25) Are daily scaffold inspections performed by designated competent person?	
<u>\$AFETY</u>	<u> </u>			26) Planks overlapped not less than 6" or more than 12" over end supports with toe boards in place?	
Comments/Notes:	<u> </u>	L		27) Tubing pinned properly and all cross bracing in place? 28) If scaffold height is 4X smallest base dimension, is system secured to structure?	
				29) All guardrails are in place?	
				30) Full work platform at each working level with no cracks/splits?	
	!			31) Safe access provided to each working level? 32) Scaffold and components not overloaded?	
	o			33) Is scaffold system plumb and level?	
				34) Suspended scaffold systems using independent personal fall arrest system?	
	U	LJ		35) Other? Extra Credit?	
FALL	Q Q			36) Is a full body harness used where required?	
PROTECTION Comments/Notes:	<u> </u>			37) Tied off at all times to structural element capable of supporting 5,000 lbs/person?	
Comments Notes.	3			38) Is protection provided for all personnel working in areas where they could fall 6' or more? 39) Are employees trained for fall protection systems in use?	
	☑			40) Does the contractor have a certified competent person?	
	9			41) Have standard guardrails been provided where required?	
		ă		42) Have horizontal life lines been designed and installed under supervision of a qualified person? 43) Other? Extra Credit?	
CATEGORY:					
LADDER SAFETY	Ø			44) Do ladders extend 3' above landing platform and tied to structure?	
Comments/Notes:	\ \ \			45) Are ladders used with hand tools only?	
				46) Are ladder base distances from structure 1/4 height? 47) Are floor openings either covered or surrounded by a quardrail?	
	☑	ŏ		48) Electricians not using portable "conductive" ladders?	
				49) Stainways provided on all structures over 20' during construction and supplied with guardrail?	
	☑			50) Portable step ladders over 20' not used on the site?	· · · · · · · · · · · · · · · · · · ·





CONTRAC	TOF	₹ SI	ΤE	SAFETY ASSESSMENT	
	⊘			51) Are ladders properly used? 52) Other? Extra Credit?	
EVO.144.TIQ110					
EXCAVATIONS Comments/Notes:	O O			53) Does excavation over 4' deep have a ladder within 25' and two means of egress? 54) Has proper slope or trench box/shoring been provided?	
	<u> </u>			55) is water controlled/removed?	
	짇			56) is excavated material at least 2' back from trench edge?	
				57) Is excavation barricaded, etc., to prevent workers and public from falling into trench/hole? 58) In locations of known or suspected contamination, is excavation atmosphere monitored?	
	ø		ö	59) Does contractor have certified competent person on site?	
			\odot	60) Other? Extra Credit?	
ELECTRICAL	<u> </u>			61) Are temporary power panels and receptacles protected from weather?	
Comments/Notes:	핃			62) Are GFCI's in use for site tools ?	
				63) Are temporary lights rigged and secured to supports properly, and with covers?	
	N N			64) If overhead power lines are in area, are operations maintaining required distance or isolation? 65) Is lockout/tagout program in effect?	
			ă	66) Has a sketch of proposed temporary power distribution been submitted/accepted before installing?	
			Ø	67) Other? Extra Credit?	
			$\overline{\mathbf{A}}$	68) Other? Extra Credit?	
CRANES	9			69) Has periodic inspection been performed prior to use on site IAW EM 385-1-1, App. H?	
Comments/Notes:				70) Are App. H daily start up inspections performed by operator and submitted with DRI?	
	[2] [2]			71) Is crane operator qualified IAW EM 385-1-1, App. G, and is crane certification posted in cab? 72) Are workers protected from the crane swing radius and prevented from passing under the load?	
		ŏ	ŏ	73) Are rigging cables and slings in good repair free of kinks and cracks?	
	Ø			74) Is the crane level and on firm ground and outriggers in use with appropriate cribbing?	
	델			75) Is crane side loading prohibited?	
	Ш			76) Near electric power sources, are rules followed for clearance/isolation in operating zone?	
	Ö	ä		77) Is crane equipped with anti two-block device if required? 78) Other? Extra Credit?	
CONTINED					
CONFINED SPACES	Image: section of the content of the			79) Has entry plan been submitted and accepted? 80) Is atmosphere being monitored?	
Comments/Notes:	Ø		ŏ	81) Is space being ventilated?	
	Ø			82) Are entrants, attendants and entry supervisor property trained?	
	☑	Ш		83) Is rescue/retrieval system in place?	
	Ø Ø			84) Are daily entry permits posted at point of entry and signed by entry supervisor? 85) Is point of entry posted "DANGER CONFINED SPACE"?	
	Ū	ä		86) Has blanking or locking out of systems taken place?	
			\square	87) Other? Extra Credit?	
ROOFING	П	П	Ø		1
Comments/Notes;			Ō	88) Are kettles at least 25 feet away from buildings? 89) Has an employee fall protection system been implemented and in proper use?	
			Ø	90) Are skylights and roof penetrations covered or barricaded appropriately?	
			\Box	91) Has the roof been evaluated for its ability to support the intended construction loads?	
	H		Q Q	92) Has the roof been surveyed for deterioration?	
		ŏ	Ø	93) Are two fire extinguishers at the kettle? 94) Fuel cylinder a minimum of 10 from open flame?	
			Ø	95) Other? Extra Credit?	
				96) Other? Extra Credit?	
CATEGORY:					
EQUIPMENT	Ø			97) Are forklift operators qualified through training at the site (certificate included in Safety Plan)?	<u> </u>
Comments/Notes:	<u> </u>			98) Does mobile equipment have rollover cages and backup alarms, with moving parts adequately guarded?	ļ
				99) Are equipment operations maintaining safe clearance from electrical power lines? 100) Do modifications meet safety rating per manufacturer (i.e., lifting personnel with forklift)?	
				101) Are safety lashings provided for high pressure hose connections, i.e., air compressors?	
	Image: Control of the control of the			102) Are workers clear of blind spots associated with mobile construction equipment?	
				103) Do aerial lifts have basket/platform with guardrail?	
	님		<u> </u>	104) Are workers not extending over guardrail of aerial lifts?	
			2	105) Are articulating boom platforms (JLG type) used with Full Body Harness attached to boom or basket? 106) Other? Extra Credit?	
	₫		ō	107) Other? Extra Credit?	
DEMOLITION			П		I
DEMOLITION Comments/Notes:			덷	108) Has demolition plan been submitted and accepted?	



CONTRAC	CTOF	R SI	TE	SAFETY	/ ASSESSMEN	NT			
			Ø	113) For building	demolition, has notification been	n made to State havi	ng jurisdiction?		
			Ø	114) Are nails rea	moved from scrap lumber/materia	ials?			
			Ø	115) Other? Extra	a Credit?				
			Ø	116) Other? Extra	a Credit?				
PPE	Ø			117) Workers we	aring leather shoes (not tennis), I	long pants, sleeved	shirts, and steel toes where required?		1
Comments/Notes:	Ø			118) Are hard har	is being worn?				
	O O				lasses where appropriate?				
	띰			120) Hearing pro	tection where appropriate? (if you	u need to yell to con-	verse)		
	<u> </u>			121) Respirators	where appropriate?				
				122) Impalement	protection provided where perso	nnel could work abo	ve vertical impalement?		
	☑			123) Is lighting a	iequate?				
	Ø			124) Other? Extra	a Credit? Implamentation of 1009	% glove policy			
ABATEMENT			Ø	125) Has abatem	ent plan been submitted and acc	cepted?			
			\Box	126) Is independe	ent air monitoring being performe	ed as required inside	and outside barriers?		
Comments/Notes:					ent in place without integrity com	promise?			
	님			+	es utilizing appropriate PPE?				
	片		Q Q		air is used, are fans used continue				ļ
			<u> </u>		e been performed and necessary				
					ons by independent PQP perform		emoval?		
	8	ä	Ö		terial properly containerized and itoring results provided to ROICC				<u> </u>
	ă	ă	Ĭ		hipment records provided to ROI				
	ñ	Ī	Ō	135) Other? Extra					
	_	_		100) Other: Exti	· orcan				
WATERFRONT			☑	136) Are employe	es wearing appropriate flotation	devices (PFDs)?	Upgrade Fuel Pipeline		1
ACTIVITIES			\square	137) Is a rescue			, ,		
Comments/Notes:			Ø	138) Are emerge	ncy life rings available?				
			[7]	139) If diving ope	erations are taking place, has a di	ive plan been submi	tted and accepted?		
			Ø	140) Does dive to	sam consist of proper number an	d qualifications for e	mployees?		
			Ø	141) Other? Extra	a Credit?				
					cludes responses for category	of "Yes" and "No"	but does not include N/A)		
			s for ea	ch category = Y					
SCORE FOR EACH CA					QUATION = Y / X				
1 PREPARA									-
				100%					
				100%	8 ELECTRICAL:				
4 SCAFFOL	LD SAFET	Y:		100%	9 CRANES:	100%	14 PPE:	100%	
5 FALL PR	OTECTION	N:		100%	10 CONFINED SPACES:	100%	15 ABATEMENT:	N/A	
							16 WATERFRONT ACTIVITIES:	N/A	-
OVERALI	RATING	= AVFR	AGE R	ATING FOR ALL O	ATEGORIES:		0.0%		

Digitally signed by Schuyler Fody
DN: dicalocal, designant services, our-Quanta
DN: dicalocal, designant services, our-Quanta
Considerates, our-Now, our-Guann, our-Users,
Considerates, our-Now, our-Guann, our-Users,
Considerates, our-Users,
Consid

This assessment has been reviewed and found to reflect the actual site conditions for this period.

Insens

Digitally signed by IBANEZ.MAURICE.P.118 4802895 Date: 2016.08.23 07:03:27 +10'00'

Attachment A-6
Waste Management Monthly Summary Report Form - Construction Demolition (C D) Debris/Waste

Date Submitted	Contract Number	
1-Aug-16	N40192-13-C-1300	(
Submitted By_	Contract Site	
Submitted By William Wells Reporting Period July-16	Contract SiteUpgrade Fuel Pipeline, GUAM Contractor Name NOVA Group, Inc U	
Reporting Period	Contractor Name	
Јиу-16	NOVA Group, Inc Underground Construction Company Inc., a JV	

TOTAL								
	TOTAL	TOTAL	TOTAL	TOTAL				TOTAL C&D WASTE
								and the second s
								THE PROPERTY OF THE PROPERTY O
								11111
								ANIANT TRANSPORTENTIAL PROPERTY PROPERT
3 0 TrashCo			3	а	N/A	N/A	N/A	Metal
0 6 Valdez		0	0	6		6	16	Concrete/Dirt
0		0	0	0	250	0	0	Wood
512 0 Valdez	2	512	0	512	2000	512	512	Clean Soil
0 0	0	0	0	0	900	0	0	Concrete
0 0	0		0	0	700	0	0	Asphalt
,	Reused, or Salvaged	Salvaged			(lbs/cu.yd) **		(cu.yd)	
Disposed	Recycled,	Reused or	Recycled	be Generated	Factor	S.	Volume	DEBRIS/WASTE
s Total Tons Name of Hauler Name of Facility	Total Tons	Tons to be	Tons to be	Total tons to	Conversion	Estimated	Estimated	LIST OF TYPES OF C&D

Report (each month) - 1) Total tons generated, 2) Total tons recycled, 3) Tons reused/salvaged, 4)) Total tons diversion (C&D), and 6) Total Disposal

Note: Green waste diversion cannot count towards the C&D diversion, but can be counted towards the solid waste diversion

Note: Green waste diversion must be reported as solid waste diversion, it cannot be included in the calculation to meet the 50% C&D waste landfill diversion goal.

Project Manager Certification (Print Name)	Estimated Total Project C&D Diversion Rate :	Estimated Project C&D Diversion Rate:
William Wells	50%	50%
(Signature)	Digitally signed by William Wells Div. CeUs. Dat. Ce	

Attachment A-7

Attachment A-7

Waste Management Monthly Summary Report Form - Solid Waste

•••	F TYPES OF SOLID Estimated Estimated Conversion					
Volume (cu.yd) Weight (tons) Factor	Estimated E	Section 1997	Date Submitted		Contract Number	
Veight (tons)	stimated	Monthly Generation	1-Aug		N40192-1;	
		eneration	1-Aug-16		N40192-13-C-1300	
be Generated Recycled	Total tons to Tons to be Tons to be		Submitted By		Contract Site	
	Tons to be				Upgrade Fuel F	
Reused or Recycled,	Tons to be	Diversion	William Wells		Pipeline, GUAM	
	Total Tons		Reporting Period	1	Contractor Name	
Disposed	Total Tons	Disposal			NOVA Group	
	Name of Hauler		July-16		, Inc. – Underground	
	Name of Hauler Name of Facility Diversion Rate				Contract Site Upgrade Fuel Pipeline, GUAM Contractor Name NOVA Group, Inc Underground Construction Company Inc., a JV	
	Diversion Rate				any Inc., a JV	

LIST OF TYPES OF SOLID WASTE	Estimated Estimated Volume (cu.yd) Weight (tons)	Monthly Estimated Weight (tons)	Monthly Generation ated Conversion rateor Conversion Conversio	Total tons to be Generated	Tons to be Recycled	Diversion Tons to be Reused or	Total Tons Recycled,	Disposal Total Tons Disposed	Name of Hauler	Z	Name of Facility Diversion Rate
-			(lbs/cu.yd)**			Salvaged	Reused, or Salvaged	,	***************************************		
Glass Bottles	0	0	600	0	0	0	0	0			
Plastic Bottles	0.5	0.01	36	0.009	0.009	0	0.009	0.009	<u></u>	Mr. Rubbishman	Rubbishman Maloloj Landfill
Mixed Paper	0	0	568	0	0	0	0	0			\dashv
Aluminum Cans	0	0	63	0	0	0	0	0			
Cardboard	0	0	100	0	0	0	0	0			
Scrap Metal	0	0	1000	0	0	0	0	0			
General Office Garbage	4	0.5	250	0.5	0	0	0	0.5	Mr. Ru	Mr. Rubbishman	bishman Maloloj Landfill
											1
TOTAL GREEN WASTES*				TOTAL			TOTAL	TOTAL			
Sasa Valley	0	0	350	0	0		0	0		,	
AAFB	0	0	350	0	0		0	0			
Pipeline Easement	0	0	350	0	0		0	0			
TOTAL SOLID WASTE				TOTAL	TOTAL	TOTAL	TOTAL	TOTAL			
- maren ender ende				0.5	0.0	0.0	0.0	0.5			

Report (each month) - 1) Total tons generated, 2) Total tons recycled, 3) Tons reused/salvaged, 4) Total tons diversion (solid waste), and 6) Total Disposal

Estimated Project Green Waste Diversion Rate ______80%

*Green waste cannot count towards C&D diversion, but can be counted towards the solid waste diversion
** See attached conversion sheet

Estimated Project Solid Waste Diversion Rate: 50%

Estimated Total Project Solid Waste Diversion Rate: 50%

Project Manager Certification (Print Name) William Wells

(Signature)

William Wells David Struct In Wilsam Wels

William Wells David Group, Inc.: CN2-Wilsam

David 2016.08.04 12:42:28+10'00'

(Date)

MONTHLY INVOICE CERTIFICATION

CONTRACT NO. AND TITLE: N40192-14-C-1300 Upgrade Fuel Pipeline

CONTRACTOR: Nova--Underground, a Joint Venture

INVOICE NUMBER: N/A

Contractor Name/Title

JULY 2016

TRANSPORTATION OF SUPPLIES BY SEA

In accordance with the terms of the contract, I make representation that to the best of my knowledge and belief (check only one of the following):

X (1) No ocean transportation period covered by this	was used in the performance of this contract during the invoice.
shipments under the co DFARS 252.247-7023, shipment, an electronic	as used and only U.Sflag vessels were used for all ocean ntract during the period covered by this invoice. As per Transportation of Supplies by Sea, within 30 days of each copy of the carrier's ocean bill of lading was provided to the to Marguerite.Speights@dot.gov (MARAD) via email.
	as used, and the Contractor had the written consent of the II non-U.Sflag ocean transportation.
U.Sflag vessels withou	as used and some or all of the shipments were made on non it the written consent of the Contracting Officer. The e these shipments in the following format:
Digitally signed by William Wells DN C=US E=wwells@novagrp.com, D= Nova Group, Inc. ↑ CN=William Wells Date 2016 08 04 12 54 36+10′00′	8/1/2016
Contractor's Signature	Date
William Wells / APM	

OCEAN BILL OF LADING Log Sheet for Period of July 2016

L.,		- Indiana	2000000							
ID		ntract			Description	Contractor	BOL#	Vessel Name	Date Received	Date MARAD Notified
1	N40192	14	С	1300	 Upgrade Fuel Pipeline	Nova - Underground, a JV	N/A - NO SHIPMENTS			
3										
2										
5										
6										
7										
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14										
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18 19			Ш							
		<u> </u>								
20		<u> </u>								
21										
22										
22 23 24										
24										
25										

		CON	JOB NAME: LOCATION: CONTRACT NO: CONTRACTOR:	GU/ NOV	192-14-C-1300 IC 1303, Upgrade Fuel M M Group - Undergrour	CON IRAC I NUMBER IN40/192-14-C-1300 JOB NAME: DESC 1303, Upgrade Fuel Pipeline AAFB to Sasa Valley LOCATION: GUAM CONTRACT NO: CONTRACTOR: NOVA Group - Underground Construction Co., A Joint Venture	ey					······································	S	SUBMITTAL		AL	굔	REGISTE	TER		
		8/1/2016	G1					j	CONT	CONTRACTOR SCHEDULE DATES	HEDULE	CON	CONTRACTOR ACTION		APF	APPROVING AUTHORITY	AUTHO	RITY			CURRENT OVERDUE (CD)
	(a)	(b)	(c)	\prod		(d)	(e)	3	(g)	(2)	3)	5	Æ	3	(m)	<u>a</u>	<u>©</u>	(g)	(q)	(7)	П
Line Ac	Activity #	Transmittal #	Specification Section	# SD	Submittal Description	ltem Submitted	Paragraph #	Classificati on: GOVT or A/E Revwr	T Submit	Approval Needed By	Material Needed	Action Code	Date Of Action	Date FWD to APPR / Auth Date RCD From CONTR	Date FWD To Other Revwr	Date RCD From Other	Action Code	Date Of Action	Mailed To CONTR/ Date RCD Fram APPR Authority	Remarks (CD)	
ก			D.5 Navy Crane Center (NCC) 5- Ton Monorall Hoist Specifications	02	Drawings	General Arrangement Drawings		o .	9/10/14	10/1/14		Þ	9/10/14	9/10/14			w	10/3/14		2	
1,333		0064,00	D.5 Navy Crane Center (NCC) 5- Ton Monorall Hoist Specifications	02	Drawings	Structural Drawings	2.3.1	ര	9/10/14	10/1/14		Þ	9/10/14	9/10/14			133	10/3/14	10/3/14	N	
1,334		0064.00	D.5 Navy Crane Center (NCC) 5- Ton Monorail Hoist Specifications	02	Drawings	Mechanical Drawings	2.3.2	G	9/10/14	10/1/14		Þ	9/10/14	9/10/14			æ	10/3/14	10/3/14	2	
		0581.00	D.5 Navy Crane Center (NCC) 5- Ton Monorail Hoist Specifications	02	Drawings	As-Built Drawings			4/21/16	5/19/16		Þ	4/21/16	4/21/16			723	6/6/16	6/6/16	18	
	o	0581.02	D.5 Navy Crane Center (NCC) 5- Ton Monorail Hoist Specifications	02 0	Drawings	As-Built Drawings		ତ	7/20/16	8/18/16		Þ	7/20/16	7/20/16							-17
1,335	- 6	0064,00	D.5 Navy Crane Center (NCC) 5- Ton Monorail Hoist Specifications	03 P	Product Data	Complete Hoist / Trolley Units Catalog	2.3.2	G.	9/10/14	10/1/14		Α	9/10/14	9/10/14			CD:	10/3/14	10/3/14	2	
1,336		0064.00	D.5 Navy Crane Center (NCC) 5- Ton Monorall Hoist Specifications	03 P	Product Data	Runway Patented Track Beam and Support System	2.3,1,3	G	9/10/14	10/1/14		Þ	9/10/14	9/10/14			œ	10/3/14	10/3/14	2	
1,337	o	0064,00	D.5 Navy Crane Center (NCC) 5- Ton Monorail Hoist Specifications	03 P	Product Data	End Stop	2.3.1.2	G	9/10/14	10/1/14		A	9/10/14	9/10/14			w	10/3/14	10/3/14	2	
	0	0425.00	D.5 Navy Crane Center (NCC) 5- Ton Monorail Hoist Specifications	03	Product Data	Monorail Responses to NCC Comments, Chester Cert, Chain Cert, NDT Cert, Hook Material, Drawings, Structural Calculations, Design Review by PE, Welding Certification	N/A	FIO	8/6/15	9/3/15		Α	8/6/15	8/6/15			71	8/14/15	8/14/15	П	
1,338		0064,00	D.5 Navy Crane Center (NCC) 5- Ton Monorail Hoist Specifications	25	Design Data	Structural Calculations	2.3.2.1	G	9/10/14	10/1/14		Þ	9/10/14	9/10/14			B	10/3/14	10/3/14	2	
1,339	- 6	0250.00	D.5 Navy Crane Center (NCC) 5- Ton Monorall Hoist Specifications	06	Test Reports	Hook Non-Destructive Test (NDT) Report			2/18/15	3/18/15		A	2/18/15	2/18/15			TI	3/31/15	3/31/15	13	
1,340		0248.00	D.5 Navy Crane Center (NCC) 5- Ton Monorail Hoist Specifications	07 C	Certificates	Load Chain	2.3.2.6		2/18/15	3/18/15	İ	Α	2/18/15	2/18/15			Ħ	3/31/15	3/31/15	13	
1,341	0	0064.00	D.5 Navy Crane Center (NCC) 5- Ton Monorall Hoist Specifications	07 C	Certificates	Hazardous Operation		o	9/10/14	10/1/14		Þ	9/10/14	9/10/14			D3	10/3/14	10/3/14	2	

1,352	1,352		1,351	1,350	1,348	1,348	1,347	1,346		1,345	1,344	1,343	1,342	Line Activity #	(a)		- Andreas - Andr		
	0581.00	0437.00			0581.00	0402.00	0064,00	0064.00	0249.00		0250.00	0064.00	0064.00	Transmittal #	(b)	8/1/2016			CONT
D.5 Navy Crane	D.5 Navy Crane Center (NCC) 5- Ton Monorail Hoist Specifications	D.5 Navy Crane Center (NCC) 5- Ton Monorail Hoist Specifications	D.5 Navy Crane Center (NCC) 5- Ton Monorall Hoist Specifications	D.5 Navy Crane Center (NCC) 5- Ton Monorall Hoist Specifications	D.5 Navy Crane Center (NCC) 5- Ton Monorail Hoist Specifications	D.5 Navy Crane Center (NCC) 5- Ton Monorall Hoist Specifications	D.5 Navy Crane Center (NCC) 5- Ton Monorall Hoist Specifications	D.5 Navy Crane Center (NCC) 5- Ton Monorail Hoist Specifications	D.5 Navy Crane Center (NCC) 5- Ton Monorail Hoist Specifications	D.5 Navy Crane Center (NCC) 5- Ton Monorall Hoist Specifications	D.5 Navy Crane Center (NCC) 5- Ton Monorall Hoist Specifications	D.5 Navy Crane Center (NCC) 5- Ton Monorall Hoist Specifications	D.5 Navy Crane Center (NCC) 5- Ton Monorail Hoist Specifications	Specification Section	(c)	u,	CONTRACTOR:	LOCATION: GUAM	JOB NAME:
3	09 M	60	99	08	08 W	8	07 C	07	07	07 C	07 C	07 C	07	# SD	П		Ş	GUA	DFS N40
Oneration and Maintenance Date	Manufacturer's Field Reports	Manufacturer's Field Reports	Manufacturer's Field Reports	Wekling Certifications	Wekling Certifications	Welding Certifications	Certificates	Submittal Description	0		A Group - Undergroun	M	CONTRACT NUMBER N40192-14-C-1300 JOB NAME: DESC 1303 Upgrade Fuel						
Operation and Maintenance Manuals,	Field Test Record	Shop Test Record	Shop Test Deficient Items List	Accident Prevention Plan	Crane Installation Plan	Shop Test Procedure	Welding Certifications	Design Review by Professional Engineer	Hoist Load Test Certification at Factory	Crane Railway Test	Hook and Hook Nut Proof Test	Hazardous Material	Periodic Overload Testing	llem Submitted	(d)		CONTRACTOR: NOVA Group - Underground Construction Co., A Joint Venture		T NUMBER N40192-14-C-1300 JOB NAME: DESC 1303 Uporade Fuel Pipeline AAFB to Sasa Valley
05 NCC	2.8.2	2.8.1							N/A		2.3.2.5			Paragraph #	(0)		Venture		lev
o							o -	6				G	G	Classificati on: GOVT or A/E Revwr	(5)				
2/22/16	4/21/16	8/27/15			4/21/16	7/9/15	9/10/14	9/10/14	2/18/15		2/18/15	9/10/14	9/10/14	Submit	(g)	CONT			
3/29/16	5/19/16	9/25/15			5/19/16	8/6/15	10/1/14	10/1/14	3/18/15		3/18/15	10/1/14	10/1/14	Approval Needed By	æ	CONTRACTOR SCHEDULE DATES			:
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2/1/16														Action E	€	CONTRACTOR ACTION			
	4/21/16	8/27/15 8			4/21/16	7/9/15	9/10/14	9/10/14	2/18/15		2/18/15	9/10/14	9/10/14	Date Of F	æ	ON		S	
	4/21/16	8/27/15			4/21/16	7/9/15	9/10/14	9/10/14	2/18/15		2/18/15	9/10/14	9/10/14	Date FWD to APPR / Auth Date RCD From CONTR	(1)			SUBMITTAL	
														Date FWD To Other Revwr	(m)	APP			
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	<u></u>					"	В		"		TI I	æ	8	Action Code	<u>(</u>)	APPROVING AUTHORITY		RE	
4/1/16	6/6/16	9/30/15			6/6/16	7/30/15	10/3/14	10/3/14	3/31/15		3/31/15	10/3/14	10/3/14	Date Of Action A	(p)	TY		REGISTER	
4/1/16	6/6/16	9/30/15			6/6/16	7/30/15	10/3/14	10/3/14	3/31/15		3/31/15	10/3/14	10/3/14	Mailed To CONTR/ Date RCD From APPR Authority	(q)			IER	
ω	18	υı			18	-7	2	2	13		13	2	2	Remarks (CD)	(7)				
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					Line	1,354	1,355	1,356	1,357
				(a)	Activity #				
OCIV			8/1/2016	(b)	Transmittal #	0554.02			
LOCATION: GUAM	CONTRACT NO:	CONTRACTOR	6	(c)	Specification Section	D.5 Navy Crane Center (NCC) 5- Ton Monorall Hoist Specifications	D.5 Navy Crane Center (NCC) 5- Ton Monorail Hoist Specifications	D.5 Navy Crane Center (NCC) 5- Ton Monorall Hoist Specifications	D.5 Navy Crane Center (NCC) 5- Ton Monorail Hoist Specifications
GU):	NO		Н	# C	10	=======================================		11
JOB NAME: DESC 1303, Upgrade Fuel LOCATION: GUAM		/A Group - Undergroun		(b)	Submittal Description	Operation and Maintenance Data	11 Closeout Submittals	11 Closeout Submittals	11 Closeout Submittals
JOB NAME: DESC 1303, Upgrade Fuel Pipeline AAFB to Sasa Valley LOCATION: GUAM		CONTRACTOR: NOVA Group - Underground Construction Co., A Joint Venture		0	ltern Submitted	Operation and Maintenance Data Operation and Maintenance Manuals, 5 Ton Manual Monoral Crane	Drawings on CD-ROM	Operation and Maintenance DATA	Product Data
lley		t Venture		(e)	Paragraph #	D5 NCC			
				(3)	Classificati on: GOVT or A/E Revwr	G			
			CONTI	(g)		6/15/16			
			CONTRACTOR SCHEDULE DATES	(h)	Approval Submit Needed By	7/5/16			
			CHEDULE	(i)	Material Needed / By				***************************************
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S	1		CONTRACTOR ACTION	(k)	Date Of Action	6/15/16			
SUBMITTAL REGISTER			~	(1)	Date FWD to APPR / Date Auth Date FWD To RCD From Other CONTR Revwr	6/15/16			
			,	(m)	Date FWD To Other Revwr				
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Z E	1		3 AUTHO	(0)	Action Code				
<u>::</u>	(ORITY	(d)	Date Of Action				
				(p)	Mailed To CONTR/ Date RCD From APPR Authority			•	
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			CURRENT OVERDUE (CD)			27			

Tran	mittal / F	Review / Approval	FILE N		ID 0634 00 Marshb. Na		h.l. 2016			DATE	
CONTRA		teview / Approval			JB 0634.00 Monthly Ne ADE FUEL PIPELINE S			FRSEN A	JR FORCE	BASE, GUAN	8/4/2016
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FROM (C	ONTRACTOR)	то	NavFac	Mar FEAD / ROIG	CC		SU	IBMITTAL NO.	FOR	SPEC. SECTION
	•	nderground									
UCCO)	iction Cor	npany, JV (NGI-							0634.00	0	1 32 17.00 20
Item No	NO. OF			DESCRIP	PTION		Spec Section	SD#	Para #	CQC CODE	GOV't Code
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		fied that the material ract requirements an			contractor's represent Rey Pelagio	FATIVE NAME/TITLE				SIGNATURE:	
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To:				SIGNATURE:	mment (_) copies of e	nclosures forwarde	d DETLIAN WITH	N / 21 1	WORKING F	DATE:	ihmittal is for
10.					rposes only and there a			N (<u>21</u>)	WORKING L	A13, ulliess st	ibinittui is joi
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REMARKS	•				es, durations and log	ic ties shown in th	ne TIA for PC004	, howev		erstood that	downstream
	pro	ojections are subje	ct to cha	inge pending d	definitization and inco	rporation of an a	greed upon TIA.	Please	address the	e following co	omments:
File Na	110				veather calendar as t			•			
R	7100		xt. ID PC	34-APLN-M-2-I	B Mag/Dig 495+96 t	o 517+86. The J	UN NAS had sho	own a sta	art of 1-JUI	JUL NAS	shows a start d
	ال - د		nlan to	at minimum in	net MEC Crew's book	within proposed	TIA durations				
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CONTRACT NO. N40192-14-C-1300

DESC1303 UPGRADE FUEL PIPELINE SASA VALLEY FUEL FARM TO ANDERSEN AIR FORCE BASE, GUAM

Submittal Section # 01 32 17.00 20

Certified/Approved by QC Manager

Trans	smittal # 063	34.00		Date:	8/4/2016
Submittal Register Item #	Paragraph #	SD-#	Submittal Type G - FIO	Description	
	1.7.1	01	G	Monthly Network Analysis for July 2016	, , , , , , , , , , , , , , , , , , , ,
*****	****	•			

NOTE:					
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is that propo with the cor	osed to be inc	corporate gs and sp	ed with Contract No pecifications, and c	cle) shown and marked in this submittal umber N40192-14-C-1300 is in compliance can be installed in the allocated spaces and is approved for use/ for information only	<i>.</i>
Certified by Su	bmittal Reviewe	er		Date	_

Date

4-Aug-2016

Admin By View Only - Navy Construction / Facilities Management Invoice

1 nocal	nent Information								
Contract Number Type DoD Contract (FAR)		Contract Number N4019214C1300	Delivery Orde	r Reference	Procurement Identifier	Issue 2013/1		Construction Y	n Fixed Price Y
nvoice	Number	li	nvoice Date	ı	Final Invoice?		Invo	ice Received D	ate
012			2015/11/30		N			2016/01/05	
Discou	nts								
NET : 1	4								
Summa	ary of Detail Level In	formation		Deduction Ar	mount (\$)	Retention A	mount	(\$)	Total (\$)
4 CLIN	SLIN(s)			85,547		0.00		•••	4,152,159.71

] Line II	tem Information				-				
	Document Total		uction Amount	547.05	Retention Amount			Govt Approve	
Item	4,152,1			,547.95		0.00		CLIN	4,066,611.7 Approved
No. 0001	PR Number	Qty. Provided			UofM Code	Unit Price (Amount (\$)	Amount (\$)
0001	ACQR3199139	1	Eacl	1	EA	3,848,374 Recommend		3,848,374.76	3,848,374.76
	Description					Deduction Amount (\$	I		
	review of pay applica	counting for undefinitize ation. All EVR activities CLIN0001. Revised 28 igh dollar items Deduction Amo	s for undefinitized BDEC15 due to ne	modification P06 w requirements	0005 - P00007 have restricting payment				
		,	0.00	0.00	Amount				
					3,848,374.76				
	Sub-Line No.	AAA		FO	SDN	ACF			
	000104	068732		N	N4019214SRC1300		۱ ۱		
	3,206,903.80	Deduction Amou	unt Retentio	n Amount	ACRN Approved Amo 3,206	unt .903.8			
	Sub-Line No.	AAA	Т	FO	SDN	ACR	- RN		
	000102	068732		N	N4019214SRC1300	AF	:		
	ACRN Amount	Deduction Amou	unt Retentio	n Amount	ACRN Approved Amo	unt	- 1		
	641,470.96				641,4	70.96			
item No.	PR Number	Qty. Provided	Unit of Measure	UofM Code	Unit Price	(\$)			Approved Amount (\$)
0002	ACQR3199139	1	Each	EA		141,075.00	14	1,075.00	141,075.00
	Description				Recommended D				
	•				Amount (\$)			
	Option Item 1	Dad	D-441						
	Line Total:	Deduction Amount	Retention / Amount	ACRN Approve Amount	a				
		0.00	0.00	141,075	.00				
	Sub-Line No.	AAA	TF	:n	SDN	ACRN	\neg		
	000201	068732	11		N4019214SRC1300	ACRN	1		
	ACRN Amount				ACRN Approved Amour		1		
	141,075.00		IVerguition	. Amount /	141,075				
	141,075,00				141,075				
	DD 11		Unit of				CLIN	Amount	Approved
Item	PR Number	Qty. Provided	Measure	UofM Code	Unit Price	• •	1	(\$)	Amount (\$)
No.			Each	EA		69,450.00	6	9,450.00	69,450.00
No.	ACQR3199139	1			Recommended f	eduction -			
No.	ACQR3199139 Description	1		_,	Recommended I Amount (
Item No. 0003		1		_,					
No.	Description		Retention A	ACRN Approve Amount	Amount (

Sub-Line No.	AAA	TFO	SDN	ACRN
000301	068732	N	N4019214SRC1300	AA
ACRN Amount	Deduction Amount	Retention Amount	ACRN Approved Amount	
69,450.00			69,450.00	

ltem No.	PR Number	Qty. Provided	Unit of Measure	UofM Code	Unit Price (\$)	CLIN Amount (\$)	Approved Amount (\$)
0004		1	Each	EA	93,259.95	93,259.95	7,712.00
	Description				Recommended Deduction Amount (\$)		
			s pay application previous 007 are now billed under				
	Line Total:	Deduction Amount	Retention Amount	ACRN Approved Amount			
		85,547.95	0.00	7,712.00			
	Sub-Line No.	AAA	TFO	SD	N ACRN	7	
	000402	068732	N	N40192145	SRC1300 AE		
	ACRN Amoun	t Deduction Am	ount Retention Am	ount ACRN Approv	ved Amount		
	93,259.	95 85.	547.95		7,712.00		

[-] LLA Information

LLA Level : ACRN

LLA Level : ACRN			
Item Number	Sub Line	ACRN	
0001	000104	AA	
Document Record Reference ID	Agency Accounting ID	ACRN	
N4019214SRC1300	068732	AA	
Agency Qualifier Code	Defense Agency Allocation Recipient	Cost Code	Department Indicator
DD			
Job/Work Order Code	Cost Allocation Code	Transfer from Department	Sub-Allotment Recipient
Classification Code	Fiscal Year Indicator	Work Center Recipient	DoD Budget Accounting Classification Code
Basic Symbol Number	Major Reimbursement Source Code	Limit/Sub Head	Reimbursement Source Code
Fund Code	Customer Indicator/MPC	Fund Org Admin Code	Object Class
IFS Number	Allotment Serial Number	Government Public Sector ID	Transaction Type
Activity Address Code	Foreign Currency Code	Program/ Planning Code	Program Element Code
FMS Case Number (1-3)	FMS Case Number (4-5)	FMS Case Number (6-8)	Project Task/Budget Subline
Special Interest/Program Cost			
Item Number	Sub Line	ACRN	
0001	000102	AF	
Document Record Reference ID	Agency Accounting ID	ACRN	
N4019214SRC1300	068732	AF	
Agency Qualifier Code	Defense Agency Allocation Recipient	Cost Code	Department Indicator
DD			
Job/Work Order Code	Cost Allocation Code	Transfer from Department	Sub-Allotment Recipient
Classification Code	Fiscal Year Indicator	Work Center Recipient	DoD Budget Accounting Classification Code
Basic Symbol Number	Major Reimbursement Source Code	Limit/Sub Head	Reimbursement Source Code
Fund Code	Customer Indicator/MPC	Fund Org Admin Code	Object Class
IFS Number	Allotment Serial Number	Government Public Sector ID	Transaction Type
Activity Address Code	Foreign Currency Code	Program/ Planning Code	Program Element Code
EMS Coco Number (4-2)	EMS Case Number (4.5)	EMS Coss Number /6 9)	Broiget Tack/Budget Subline

Special Interest/Program Cost

Item Number	Sub Line	ACRN	
0002	000201	AA	
Document Record Reference ID	Agency Accounting ID	ACRN	
N4019214SRC1300	068732	AA	
Agency Qualifier Code	Agency Qualifier Code Defense Agency Allocation Recipient		Department Indicator
DD			
Job/Work Order Code	Cost Allocation Code	Transfer from Department	Sub-Allotment Recipient
Classification Code	Fiscal Year Indicator	Work Center Recipient	DoD Budget Accounting Classification Code
Basic Symbol Number	Major Reimbursement Source Code	Limit/Sub Head	Reimbursement Source Code
Fund Code	Customer Indicator/MPC	Fund Org Admin Code	Object Class
IFS Number	Allotment Serial Number	Government Public Sector ID	Transaction Type
Activity Address Code	Foreign Currency Code	Program/ Planning Code	Program Element Code
FMS Case Number (1-3)	FMS Case Number (4-5)	FMS Case Number (6-8)	Project Task/Budget Subline
Special Interest/Program Cost			

Item Number	Sub Line	ACRN	
0003	000301	AA	
Document Record Reference	Agency Accounting ID	ACRN	
N4019214SRC1300	068732	AA	
Agency Qualifier Code	Defense Agency Allocation Recipient	Cost Code	Department Indicator
DD			
Job/Work Order Code	Cost Allocation Code	Transfer from Department	Sub-Allotment Recipient
Classification Code	Fiscal Year Indicator	Work Center Recipient	DoD Budget Accounting Classification Code
Basic Symbol Number	Major Reimbursement Source Code	Limit/Sub Head	Reimbursement Source Code
Fund Code	Customer Indicator/MPC	Fund Org Admin Code	Object Class
IFS Number	Allotment Serial Number	Government Public Sector	Transaction Type
Activity Address Code	Foreign Currency Code	Program/ Planning Code	Program Element Code
FMS Case Number (1-3)	FMS Case Number (4-5)	FMS Case Number (6-8)	Project Task/Budget Subline
Special Interest/Program Cost			

	·		
Item Number	Sub Line	ACRN	
0004	000402	AE	
Document Record Reference ID	Agency Accounting ID	ACRN	
N4019214SRC1300	068732	AE	
Agency Qualifier Code	Defense Agency Allocation Recipient	Cost Code	Department Indicator
DD			
Job/Work Order Code	Cost Allocation Code	Transfer from Department	Sub-Allotment Recipient
Classification Code	Fiscal Year Indicator	Work Center Recipient	DoD Budget Accounting Classification Code
Basic Symbol Number	Major Reimbursement Source Code	Limit/Sub Head	Reimbursement Source Code
Fund Code	Customer Indicator/MPC	Fund Org Admin Code	Object Class
IFS Number	Allotment Serial Number	Government Public Sector ID	Transaction Type
Activity Address Code	Foreign Currency Code	Program/ Planning Code	Program Element Code

FMS Case Number (1-3)

FMS Case Number (4-5)

FMS Case Number (6-8)

DoDAAC

Activity Name 1

Activity Name 2

Activity Name 3

Address 1

Address 2

Address 4

Country

BUILDING 100

NAVBASE GUAM Address 3

N40192

Project Task/Budget Subline

Administered By

Special Interest/Program Cost

[-] Address Information

Prime Contractor

CAGE Code

DUNS DUNS + 4

Extension

4XL05

808474261

Activity Name 1

NOVA GROUP, INC-UNDERGROUND CONSTRUCTION COMPANY,

INC, AJV

Activity Name 2

Activity Name 3

Address 1
185 DEVLIN RD

Address 2

Address 3

Address 4

City NAPA State

tate A

Country USA CA 94558

Military Location Description

Zip

State

SANTA RITA GUAM

City

NAVFAC ENGINEERING COMMAND MARIANAS

Military Location Description

Zip

Inspect By

DoDAAC N40192 Extension ROICCF

Activity Name 1

NAVFAC ENGINEERING COMMAND MARIANAS

Activity Name 2

Activity Name 3

Address 1
BUILDING 100
Address 2
NAVBASE GUAM
Address 3

Address 4

SANTA RITA GUAM

City

State

Zip

Country

Military Location Description

Accept By

DoDAAC Extension N40192 ROICCF

Activity Name 1

NAVFAC ENGINEERING COMMAND MARIANAS

Activity Name 2

Activity Name 3

Address 1
BUILDING 100
Address 2
NAVBASE GUAM
Address 3

Address 4

SANTA RITA GUAM

City State Zip

Country Military Location Description

Local Processing Official

DoDAAC N40192 Extension ROICCF

Activity Name 1

NAVFAC ENGINEERING COMMAND MARIANAS

Activity Name 2

Activity Name 3

Payment Official

DoDAAC Extension

N68732

Activity Name 1

DEFENSE FINANCE AND ACCOUNTING SERV

Activity Name 2

Activity Name 3

Address 1
BUILDING 100
Address 2
NAVBASE GUAM
Address 3
Address 4
SANTA RITA GUAM

City State Zip

Country Military Location Description

Address 1
CLEVELAND-NORFOLK ACCOUNTS PAYABLE
Address 2
1240 E 9TH ST SB39 ACCTS PAYABLE
Address 3

Address 4
CLEVELAND OH 44199-2001
City State Zip

Country Military Location Description

Issue By DoDAAC N40192 Activity Name 1 NAVFAC ENGINEERING COMMAND MARIANAS Activity Name 2 **Activity Name 3** Address 1 **BUILDING 100** Address 2 NAVBASE GUAM Address 3 Address 4 SANTA RITA GUAM City State Zip Country Military Location Description

[-] Misc Information

Initiator Name: Date of Action: Phone #: DSN: aaron isle 2015/11/30 1607 MST 7072651162 Email: Title: Action(s): aisle@novagrp.com Project Manager [Saved] Org Email: kenw@novagrp.com Attachments: Comments:

Initiator Name: Date of Action: Phone #: DSN: aaron isle 2015/11/30 1656 MST 7072651162 Email: Title: Action(s): aisle@novagrp.com Project Manager [Saved] Org Email: kenw@novagrp.com Attachments: 1_0157H_Pay_Application_12_Sept_2015.pdf **View Attachment** 2_SUB_0457_Monthly_Network_Analysis_for_Sept2015.pdf **View Attachment** 2_SUB_0470_Monthly_Network_Analysis_for_Oct_2015.pdf **View Attachment**

5_Monthly Exposure Report September 2015.pdf View Attachment 6_CSSA_12_OCT15.pdf View Attachment 6_CSSA_12_SEPT15.pdf **View Attachment** 7_Submittal_Register_Pay_App_12.pdf **View Attachment** 8_Attachment_A6_Waste_Mgmt_Monthly_Rpt_CandD_OCT2015.pdf **View Attachment** 8_Attachment_A6_Waste_Mgmt_Monthly_Rpt_CandD_SEPT15.pdf **View Attachment** 8_Attachment_A7_Waste_Mgmt_Monthly_Rpt_Solid_Waste_OCT2015.pdf **View Attachment** 8_Attachment_A7_Waste_Mgmt_Monthly_Rpt_Solid_Waste_SEPT15.pdf **View Attachment** 9_Monthly_DFAR_252_247_7023_CertPay_App_12.pdf **View Attachment** 10_Bill_of_Lading_Log_OCT2015.pdf **View Attachment** 10_Bill_of_Lading_Log_SEPT2015.pdf **View Attachment** 11_Stored_Materials_Inspection_Checklist_Pay_App_12_OCT2015.pdf **View Attachment** 11_Stored_Materials_Inspection_Checklist_Pay_App_12_SEPT15.pdf **View Attachment** 11_Stored_Materials_Supporting_Documentation_Pay_App_12_SEPT2015_1_of_2.pdf **View Attachment** 11_Stored_Materials_Supporting_Documentation_Pay_App_12_SEPT2015_2_of_2.pdf **View Attachment** 12_Pay_App_12_Surety_Consent_Sept_15.pdf **View Attachment** 13_Sub_Supplier_Summary_Spreadsheet_PayApp12.pdf **View Attachment**

Initiator Name: Date of Action: Phone #: DSN: 2015/11/30 1737 MST 7072651162 aaron isle Email: Title: Action(s): aisle@novagrp.com Project Manager [Saved] Org Email: kenw@novagrp.com Attachments: Comments:

Initiator Name: Date of Action / IRD: Phone #: DSN: 2015/11/30 1739 MST / 2015/11/30 7072651162 aaron isle Title: Action(s): aisle@novagrp.com Project Manager [Submitted, Web, Stand Alone] Org Email: kenw@novagrp.com Attachments: Comments:

Initiator Name: Date of Action / IRD: Phone #: DSN: 2015/12/01 1842 MST / 2015/12/01 aaron isle 7072651162 1842 MST Email: Title: Action(s): aisle@novagrp.com Project Manager [Recalled, Submitted] Org Email: kenw@novagrp.com Attachments: System Comment: Attachment(s) Deleted - 4_7300_30_Pay_App_12_REV2.pdf

Attachments:

Work or service has been received, inspected and accepted as conforming to the contract and payment is in accordance with contract provisions. All source documentation provided in support of payment is accurate. Latest schedule update (OCT) shows CCD 223 days late, of which 59 days is unexplained/unjustified, and no mitigation plan has been provided. Previously held retention amount of \$1,41,483,141.76 is [sufficient/not sufficient]

Inspector

Name:

Date of Action:

Phone #:

DSN:

Andrew Orr

Email:

andrew.orr@fe.navy.mil

2015/12/02 1452 MST

6713552274

Mechanical Engineer

Action(s): [Saved]

Org Email:

M-GU-NAVFAC-WAWF-ROICCF-GS@fe.navy.mil

Attachments:

Work or service has been received, inspected and accepted as conforming to the contract and payment is in accordance with contract provisions. All source documentation provided in support of payment is accurate. Latest schedule update (OCT 2015) shows CCD 223 days late, of which 59 days is unexplained/unjustified, and no mitigation plan has been provided. Previously held retention amount of \$1,41,483,141.76 is not sufficient to cover LD's. Retention in the amount of \$118,7018.24 (2.64%) will be withheld from this invoice.

Inspector

Name:

Email:

Date of Action:

Phone #:

DSN:

Andrew Orr

2015/12/02 1552 MST

6713552274

Mechanical Engineer

Title:

Action(s): [Inspected]

andrew.orr@fe.navy.mil

M-GU-NAVFAC-WAWF-ROICCF-GS@fe.navy.mil

Attachments:

Org Email:

Comments:

Work or service has been received, inspected and accepted as conforming to the contract and payment is in accordance with contract provisions. All source documentation provided in support of payment is accurate. Latest schedule update (OCT 2015) shows CCD 223 days late, of which 59 days is unexplained/unjustified, and no mitigation plan has been provided. Continuous issues with concrete placements by both concrete subcontractors is also disconcerting to the Government. Previously held retention amount of \$1,483,141.76 is not sufficient to cover LD's. Retention in the amount of \$118,7018.24 (2.64%) will be withheld from this invoice.

Acceptor

Name:

Date of Action:

Phone #:

DSN:

Augusto Delgado

2015/12/08 1515 MST

671-355-5580 Title:

Action(s):

augusto.delgado@fe.navy.mil

Contract Specialist

[Rejected to Initiator]

Org Email:

M-GU-NAVFAC-WAWF-ROICCF-GS@fe.navy.mil

Please redistribute CLIN line item entries to reflect PC05 billed amount under CLIN0004. Also resubmit revised signed EVR with correlating corrections.

Initiator

Name:

Date of Action / IRD:

Phone #:

DSN:

aaron isle

2015/12/08 1807 MST / 2015/12/08 1807 MST

7072651162 Title:

Action(s):

Email:

aisle@novagrp.com

Org Email:

Project Manager

[Resubmitted]

kenw@novagrp.com

Attachments: Comments:

System Comment: Attachment(s) Deleted - 3_EVR_Pay_App_12_OCT15.pdf, 3_EVR_Pay_App_12_SEPT15.pdf

Inspector

Name:

Date of Action:

Phone #:

DSN:

Andrew Orr

2015/12/08 2207 MST

6713552274

Email:

Action(s):

Title:

andrew.orr@fe,navy.mil

Mechanical Engineer

[Inspected]

Org Email:

M-GU-NAVFAC-WAWF-ROICCF-GS@fe,navy,mil

N4019214C1300_SUB_0457.03_September_2015_Monthly_NAS_Update_RESP.pdf

Work or service has been received, inspected and accepted as conforming to the contract and payment is in accordance with contract provisions. All source documentation provided in support of payment is accurate. Latest schedule update (OCT 2015) shows CCD 223 days late, of which 59 days is unexplained/unjustified, and no mitigation plan has been provided. Continuous issues with concrete placements by both concrete subcontractors is also disconcerting to the Government. Previously held retention amount of \$1,483,141.76 is not sufficient to cover LD's. Retention in the amount of \$118,764.23 (2,64%) will be withheld from this invoice.

Acceptor

DSN:

Augusto Delgado

2015/12/09 0140 MST

671-355-5580

Contract Specialist

Action(s):

Email:

Title:

[Accepted]

augusto.delgado@fe.navy.mil

Org Email: M-GU-NAVFAC-WAWF-ROICCF-GS@fe.navy.mil

Attachments:

Comments:

Work or service has been received, inspected and accepted on 12/9/2015 as conforming to the contract and payment is in accordance with contract provisions. All other source documentation provided in support of payment is accurate. Approval of this invoice does not constitute approval of the schedule or its narrative, which will be reviewed and addressed separately during the submittal process. Retention of 2,64% of the total invoice amount of \$4,498,645,13,60 or \$118,764,23 has been assessed against this invoice due to the following: The latest OCT 2015 schedule update shows a CCD 223 day delay, of which 59 days is unexplained/unjustified, and no mitigation plan has been provided. There are also continuous issues with concrete placements by both concrete subcontractors

Local Processing Official

Name:

Email:

Date of Action:

Phone #:

DSN:

Jenais Guerrero

2015/12/13 1522 MST

6713557131

Action(s):

jenais.guerrero@fe.navy.mil

Contracting Officer

[Rejected to Initiator]

Org Email:

M-GU-NAVFAC-WAWF-ROICCF-GS@fe.navy.mil

Attachments:

Comments:

(1) Address discrepancy between the EVR and monthly NAS update for modifications/PC's being billed, which does not show activity or work performed. One example is Mod P00012. Reminder for scheduling, modifications require breakdown of activity ID's and cost loading as a G-submittal IAW specification section 01 32 17.00 20, para. 1.6.2.5. (2) Contractor certification is incomplete. This was also addressed in the previous invoice. (3) There is no evidence to show that material PR03F stored off site is protected (marked and stored) IAW spec section 01 20 00.00 20, paragraph 1.6.2 (d). This was also addressed previously for pipe

Initiator

Name: aaron isle Date of Action:

Phone #:

Title:

DSN:

Email:

2015/12/14 1643 MST

7072651162

Action(s):

aisle@novagrp.com

Org Email: kenw@novagrp.com

Attachments: Comments:

Project Manager

[Saved]

Initiator

aaron isle

Date of Action:

DSN:

Email:

Org Email:

Comments:

2015/12/14 1732 MST

7072651162 Title:

Action(s):

aisle@novagrp.com

Project Manager

[Saved]

kenw@novagrp.com

Attachments:

Initiator

Name:

Date of Action / IRD:

Phone #:

DSN:

aaron isle

2015/12/15 1536 MST / 2015/12/15

7072651162

Email:

Title:

Action(s):

aisle@novagrp.com

Org Email: kenw@novagrp.com Project Manager

[Resubmitted]

Attachments: Comments:

System Comment: Attachment(s) Deleted - 1401_EVR_Pay_App_12_and_13_OCT15_REV1.pdf

Inspector

Name:

Date of Action:

Phone #:

DSN:

Andrew Orr

2015/12/20 2217 MST

6713552274

Email:

Title:

Mechanical Engineer

Action(s): [Inspected]

andrew.orr@fe.navy.mil

Org Email:

M-GU-NAVFAC-WAWF-ROICCF-GS@fe.navy.mil Attachments:

Comments:

Work or service has been received, inspected and accepted as conforming to the contract and payment is in accordance with contract provisions. All source documentation provided in support of payment is accurate.

Acceptor

Name:

Date of Action:

Phone #:

DSN:

RoAnna Peredo

2015/12/22 1552 MST

671-355-2154

315-355-2154

Action(s):

roanna.peredo@fe.navy.mil

Contract Specialist

[Rejected to Initiator]

Org Email:

M-GU-NAVFAC-WAWF-ROICCF-GS@fe.navy.mil

Attachments:

Comments:

(1) Amount invoiced in WAWF does not match NAVFAC Form 7300/30 'Amount of this invoice'; (2)NAVFAC Form 7300/30 items needing correction: a) Total value of contract through change; b)Percentage of performance complete; c)Value of completed performance; d) Less: Retention withheld from prime contractor; e) Less: Total of previous payments; f) Subtotal; g) Amount of this invoice; (3) EFV/EVR submitted needs correction to amount for value of P00012 (PC047 and PC008) -correction necessary for Activity Value column; confirm amount under Activity value for P00004.

Initiator

Name:

Date of Action / IRD:

Phone #:

Title:

DSN:

aaron isle

2015/12/22 1639 MST / 2015/12/22

7072651162

Email:

1639 MST

Action(s):

aisle@novagrp.com

Project Manager

[Resubmitted]

kenw@novagrp.com Attachments:

Comments:

System Comment: Attachment(s) Deleted - 4_7300_30_Pay_App_12_and_13_REV3.pdf, 3_1401_EVR_Pay_App_12_and_13_REV2.pdf

Inspector Name:

Andrew Orr

Date of Action:

Phone #:

D\$N:

2015/12/22 2100 MST

6713552274

Action(s):

andrew.orr@fe.navy.mil

Title: Mechanical Engineer

[Inspected]

Org Email:

M-GU-NAVFAC-WAWF-ROICCF-GS@fe.navy.mil

Attachments:

Work or service has been received, inspected and accepted as conforming to the contract and payment is in accordance with contract provisions. All source documentation provided in support of payment is accurate.

Name: Date of Action: Phone #: DSN: RoAnna Peredo 2015/12/27 2023 MST 671-355-2154 315-355-2154 Email: Title: Action(s): roanna.peredo@fe.navy.mil Contract Specialist [Rejected to Initiator] M-GU-NAVFAC-WAWF-ROICCF-GS@fe.navy.mil Attachments: Comments: (1) EFV/EVR submitted needs correction to amounts for SUB0055 Approved Materials; items PR03E and PR03F should not be billed for less than the total activity value. Please revise and resubmit (2) Confirm amount on NAVFAC Form 7300/30 for 'Total of Previous Payments'. System Name: Date of Action: Phone #: DSN: 2016/01/05 00:00:21 Email: Title: Action(s): [Purged] Org Email: Attachments: Comments: Expired Save and Continue data purged for this document. Initiator Name: Date of Action: Phone #: DSN: aaron isle 2016/01/05 0956 MST 7072651162 Email: Title: Action(s): aisle@novagrp.com Project Manager [Saved] Org Email: kenw@novagrp.com 4_7300_30_Pay_App_12_and_13_REV4.pdf View Attachment Comments: Initiator Name: Date of Action: Phone #: DSN: aaron isle 2016/01/05 1213 MST 7072651162 Email: Title: Action(s): aisle@novagrp.com Project Manager [Saved] Org Email: kenw@novagrp.com 11_Stored_Materials_Inspection_Checklist_Pay_App_12_Signed.pdf View Attachment Comments: Initiator Name: Date of Action / IRD: Phone #: DSN: 2016/01/05 1233 MST / 2016/01/05 aaron isle 7072651162 1233 MST Action(s): aisle@novagrp.com Project Manager [Resubmitted] Org Email: kenw@novagrp.com Attachments: System Comment: Attachment(s) Deleted - 4_7300_30_Pay_App_12_REV2.pdf, 11_Stored_Materials_Inspection_Checklist_Pay_App_12_Signed.pdf, 3_1401_EVR_Pay_App_12_and_13_REV3.pdf, 3_1401_EVR_Pay_App_12_and_13_SEPT_OCT15_REV4.pdf Initiator

Phone #:

Date of Action / IRD:

Name

DSN:

aaron isle

2016/01/05 1321 MST / 2016/01/05 1321

7072651162

Action(s):

aisle@novagrp.com

Org Email:

Project Manager

[Recalled, Resubmitted]

kenw@novagrp.com

Attachments:

3_1401_EVR_Pay_App_12_and_13_SEPT_OCT15_REV4.pdf

View Attachment

System Comment: Attachment(s) Deleted - 3_1401_EVR_Pay_App_12_and_13_SEPT_OCT15_REV4.pdf

Inspector

Email:

Date of Action:

Phone #:

DSN:

Andrew Orr

2016/01/06 1823 MST

6713552274

andrew.orr@fe.navy.mil

Title: Mechanical Engineer

Action(s): [inspected]

Org Email:

M-GU-NAVFAC-WAWF-ROICCF-GS@fe.navy.mil

Attachments:

Comments:

Work or service has been received, inspected and accepted as conforming to the contract and payment is in accordance with contract provisions. All source documentation provided in support of payment is accurate.

Acceptor

Name:

Email:

Date of Action:

Phone #:

DSN:

Augusto Delgado

2016/01/13 2036 MST

671-355-5580

Action(s):

augusto.delgado@fe.navy.mil

[Saved]

Org Email:

M-GU-NAVFAC-WAWF-ROICCF-GS@fe.navy.mil

Attachments: Comments:

Contract Specialist

Acceptor

Name:

Date of Action:

Phone #:

DSN:

Augusto Delgado Email:

2016/01/19 1755 MST

671-355-5580 Title:

Action(s):

augusto.delgado@fe.navy.mil

Contract Specialist

[Accepted]

Org Email:

M-GU-NAVFAC-WAWF-ROICCF-GS@fe.navy.mil

Attachments:

Comments:

Work or service has been received, inspected and accepted on 1/5/2016 as conforming to the contract and payment is in accordance with contract provisions. All other source documentation provided in support of payment is accurate. Approval of this invoice does not constitute approval of the schedule or its narrative, which will be reviewed and addressed separately during the submittal process. A reduction of \$85,547.95 is withheld from Activity ID, MODP00004-7_PC005 Mag and Dig at Navy Repair Locations, for unfinished work at P2.

Local Processing Official

Email:

Date of Action:

Phone #:

DSN:

Jenais Guerrero

2016/01/21 1811 MST

6713557131 Title:

Action(s):

Contracting Officer

[Certified, Processed via EDI]

jenais.guerrero@fe.navy.mil

Org Email:

M-GU-NAVFAC-WAWF-ROICCF-GS@fe.navy.mil

Attachments:

Comments:

Payment Official Name:

Date of Action:

DSN:

2016/01/21 2251 MST

1-855-608-3975

Email:		Title:	Action(s):
Org Email:			[Processed via EDI]
DNFWAWF2@DFAS.MIL			
Attachments:			
Comments:			
	ntitlement system, FOR PMT ON	160122-ESTPD 16012	2 AMT CERT \$4067458.97 DFAS Customer Service Telephone
Number: 1-855-608-3975			
Payment Official —			
Name:	Date of Action:	Phone	#: DSN:
	2016/01/24 1618 MST		
Email:		Title:	Action(s):
			[Paid]
Org Email:			
DNFWAWF2@DFAS.MIL			
Attachments:			
Comments:			
Paid.			
[-] Workflow Information			
Contractor Certification			
I hereby certify, to the best of my known	wledge and belief, that		
 The amounts requested are only f All payments due to subcontractor 	or performance in accordance was and suppliers from previous pa	ith the specifications, te	ms, and conditions of the contract; the contract have been made, and timely payments will be made from
the proceeds of the payment covered	by this certification, in accordan	ce with subcontract agre	ements and the requirements of chapter 39 of Title 31, United States
Code; (3) This request for progress paymen	ts does not include any amounts	which the prime contra	ctor intends to withhold or retain from a subcontractor or supplier in
accordance with the terms and condit (4) This certification is not to be const		heantractor's performan	· ·
(1) The definition is not to be done	adde as intal addeptance of a so	·	aaron isle
		Signature Date 2016/01/05	
ACTION BY: N40192 / ROICCF			Signature of Contractor Representative
ACTION BY: N40192 / ROICCF			Han been made by me as under my averagining and they
Recommend Approval			Has been made by me or under my supervision and they conform to contract, except as noted herein or on supporting
☐ Recommend Reduced	Inspection Date	Signature Date	documents
Amount	2016/01/06	2016/01/07	Andrew Orr
☐ Recommend Rejection			Circulus Of A. therinal Communat Day and T
			Signature Of Authorized Government Representative
ACTION BY: N40192 / ROICCF Approved Amount: \$4,066,611.76			
Approved Amount : \$4,066,611.76			Lies have made by me as under my supervision and they
☐ Approve			Has been made by me or under my supervision and they conform to contract, except as noted herein or on supporting
	Acceptance Date	Signature Date	documents
Approval with Deductions	2016/01/19	2016/01/19	Augusto Delgado
Reject to Initiator			
A OTION DV. NIAGAGO / DOLOGE			Signature Of Authorized Government Representative
ACTION BY: N40192 / ROICCF			humant to puthority vented in me. Leadify that this venter is
["7] p	–		fursuant to authority vested in me, I certify that this voucher is correct and proper for payment.
Document Certified	Signature Dat	e	Jenais Guerrero
☐ Document Rejected	2016/01/21		
			Signature Of Authorized Government Representative
ACTION BY: Payment Official			
☑ Document Accepted			
☑ Document Processed			
Document Rejected			
Document Suspended			
☐ Document Available For Recall			
☐ Document in MyInvoice"			
☑ Document Paid			

Close

FOUO - MAY CONTAIN PRIVACY DATA 16NOV29 15:31:11 1 OF 2 VIEW INVOICE H30S7V41

USER CODE : P

USER CODE : P CPT CODE : G
FUND USAGE NUM: 671476 CNT/NSD NUM: N4019214C1300 PIID:
CONTR/INV NUM : 012 CNT AWD CODE: E INVOICE NUM: 13

VENDOR NAME: NOVA GROUP INC UNDERGROUND CONSTR

UCTION INC A JV VDR SRL:

EMP NUM:

CGE CDE: 4XL05

INVOICE ORIGIN : WAWF DUN NUM: 808474261

DISTRIBUTION TYPE : 2 1,11011
INVOICE PMT TYPE : C INV STS : PAD FDA IDR : E DISTRIBUTION TYPE : 2 1)AUTO 2)BY ACRN CONTRACTOR INV DATE: 151130

INVOICE RVD DATE : 160105

MAT/SVC RVD DATE : 160106 LATE REASON CODE : C RESPONSIBLE UIC: 040192 MAT/SVC ACP DATE : 160119

CLAIM/DISAGREE(Y/N): PROMPT PMT TERM: 01 DEFECT RETURN DATE : EFT/CHK NUM: 79600859 CCR EPN DATE : CRR INV RVD DATE :

CERTIFIER NAME: CON ACCEPT DATE

RECOMMEND PAY AMT: 4,066,611.76 INVOICE PAID DATE : 160122

INVOICE INT AMT : 847:21
DISCOUNT PCT/DAYS: INVOICE DUE DATE :

CNT FNL RLS DATE :

PRESS ENTER TO CONTINUE TO NEXT SCREEN OR PF2 TO EXIT.

PROC: S07 SVC: 4 PF6-VIEW D.O.S PF9-VIEW SECONDARY

Admin By View Only - Navy Construction / Facilities Management Invoice

202 00	ct Number Type ontract (FAR)	Contract Number N4019214C1300	Delivery Ord	ler Reference	Procurement Identifier	Issue I 2013/1		Constructio Y	n Fixed Pric
	Number		nvoice Date	ı	Final Invoice?	2010/1		ice Received (
3			2016/01/26		N			2016/01/26	
iscou	nts								
IET : 1	4								
Summa	ary of Detail Level In	formation		Deduction Ar	nount (\$)	Retention Ar	nount	(\$)	Total (\$)
CLIN/	/SLIN(s)			0.00		0.00			3,150,987.62
Line It	tem Information				The second secon				
	Document Total	Ded	uction Amount		Retention Amount			Govt Approve	ed Total
	3,150,98	7.62		0.00		0.00			3,150,987.6
tem No.	PR Number	Qty. Provide	d Unit of I	Vleasure	UofM Code	Unit Price (\$)	CLIN Amount (\$)	Approved Amount (\$)
0001	ACQR3199139	1	Ea	ich	EA	3,121,542	2,62	3,121,542.62	3,121,542.62
	Description					Recommend Deduction Amount (\$			
	from Sta 550+00 to 6 of remaining Navy pi	peline P1 repairs and erator building watls a	and Coat 10' JF fi backfill (Activities nd slab; complet	rom Sta 195+20 to s NPLS-XX); Sassion of all activities	234+90; Completion Valley site civil;				
			0.00	0.00	3,121,542.62				
	Sub-Line No.	AAA		TFO	SDN	ACR	:N	1	
	000104	068732		N	N4019214SRC1300	AA			
	ACRN Amount	Deduction Amo	ınt Retent	ion Amount	ACRN Approved Amo	unt			
	3,057,642.00				3,057,6	42.00			
	Sub-Line No.	AAA		TFO	SDN	ACR	.N		
	000102	068732		N	N4019214SRC1300	AF			
	ACRN Amount 63,900.62	Deduction Amo	ınt Retent	ion Amount	ACRN Approved Amo	unt 00.62			
								<u> </u>	
Item No.	PR Number	Qty. Provided	Unit of Measure	UofM Code	Unit Price	(\$)	CLIN	Amount (\$)	Approved Amount (\$)
No.	PR Number ACQR3199139	Qty. Provided		UofM Code EA	Unit Price	(\$) 12,500.00			
lo.		•	Measure		Recommended [12,500.00 Deduction		(\$)	Amount (\$)
No.	ACQR3199139 Description	1	Measure Each			12,500.00 Deduction		(\$)	Amount (\$)
No.	ACQR3199139 Description Option Item 1: Insta	•	Measure Each		Recommended [Amount (12,500.00 Deduction		(\$)	Amount (\$)
lo.	ACQR3199139 Description	1 I Electrical Power Di Deduction Amount	Measure Each stribution Rack Retention Amount	EA ACRN Approve Amount	Recommended I Amount (12,500.00 Deduction		(\$)	Amount (\$)
lo.	ACQR3199139 Description Option Item 1: Insta	1 all Electrical Power Di Deduction	Measure Each stribution Rack Retention	EA ACRN Approve	Recommended I Amount (12,500.00 Deduction		(\$)	Amount (\$)
No.	ACQR3199139 Description Option Item 1: Institute Total: Sub-Line No.	1 Electrical Power Di Deduction Amount 0.00	Measure Each stribution Rack Retention Amount 0.00	EA ACRN Approve Amount 12,500	Recommended I Amount (d .00	12,500.00 Deduction \$)		(\$)	Amount (\$)
	ACQR3199139 Description Option Item 1: Institute Total: Sub-Line No. 000201	1 Blectrical Power Di Deduction Amount 0.00 AAA 068732	Measure Each stribution Rack Retention Amount 0.00	ACRN Approve Amount 12,500	Recommended I Amount (d .00 SDN N4019214SRC1300	12,500.00 Deduction \$) ACRN		(\$)	Amount (\$)
No.	ACQR3199139 Description Option Item 1: Institute Total: Sub-Line No. 000201 ACRN Amount	1 Deduction Amount 0.00 AAA 068732 Deduction Amo	Measure Each stribution Rack Retention Amount 0.00	ACRN Approve Amount 12,500	Recommended I Amount (d .00 SDN N4019214SRC1300 ACRN Approved Amoun	12,500.00 Deduction \$) ACRN AA		(\$)	Amount (\$)
No.	ACQR3199139 Description Option Item 1: Institute Total: Sub-Line No. 000201	1 Deduction Amount 0.00 AAA 068732 Deduction Amo	Measure Each stribution Rack Retention Amount 0.00	ACRN Approve Amount 12,500	Recommended I Amount (d .00 SDN N4019214SRC1300	12,500.00 Deduction \$) ACRN AA		(\$)	Amount (\$)
No.	ACQR3199139 Description Option Item 1: Institute Total: Sub-Line No. 000201 ACRN Amount 12,500.00	all Electrical Power Di Deduction Amount 0.00 AAA 068732 Deduction Amo	Measure Each stribution Rack Retention Amount 0.00	ACRN Approve Amount 12,500	Recommended I Amount (d .00 SDN N4019214SRC1300 ACRN Approved Amoun	12,500.00 Deduction \$) ACRN AA		(\$) 12,500.00	Amount (\$) 12,500.00
No.	ACQR3199139 Description Option Item 1: Institute Total: Sub-Line No. 000201 ACRN Amount 12,500.00	1 Deduction Amount 0.00 AAA 068732 Deduction Amo	Measure Each stribution Rack Retention Amount 0.00	ACRN Approve Amount 12,500	Recommended I Amount (d .00 SDN N4019214SRC1300 ACRN Approved Amoun	12,500.00 Deduction \$) ACRN AA		(\$) 12,500.00	Amount (\$)
No. 0002	ACQR3199139 Description Option Item 1: Institute Total: Sub-Line No. 000201 ACRN Amount 12,500.00	all Electrical Power Di Deduction Amount 0.00 AAA 068732 Deduction Amo	Measure Each stribution Rack Retention Amount 0.00	ACRN Approve Amount 12,500 TFO N	Recommended I Amount (d .00 SDN N4019214SRC1300 ACRN Approved Amoun 12,500	12,500.00 Deduction \$) ACRN AA	CLIN	(\$) 12,500.00	Amount (\$) 12,500.00
tem	ACQR3199139 Description Option Item 1: Insta Line Total: Sub-Line No. 000201 ACRN Amount 12,500.00	all Electrical Power Di Deduction Amount 0.00 AAA 068732 Deduction Amo	Measure Each stribution Rack Retention Amount 0.00 unt Retention Unit of Measure	ACRN Approve Amount 12,500 FFO N on Amount	Recommended I Amount (d .00 SDN N4019214SRC1300 ACRN Approved Amoun 12,500 Unit Price Recommended I	12,500,00 Deduction \$) ACRN AA at 00 (\$) 16,945.00 Deduction	CLIN	(\$) 12,500.00 Amount (\$)	Amount (\$) 12,500.00 Approved Amount (\$)
tem	ACQR3199139 Description Option Item 1: Insta Line Total: Sub-Line No. 000201 ACRN Amount 12,500.00 PR Number ACQR3199139 Description	all Electrical Power Di Deduction Amount 0.00 AAA 068732 Deduction Amo	Measure Each stribution Rack Retention Amount 0.00 unt Retention Unit of Measure Each	ACRN Approve Amount 12,500 FFO N on Amount	Recommended I Amount (d .00 SDN N4019214SRC1300 ACRN Approved Amoun 12,500.	12,500,00 Deduction \$) ACRN AA at 00 (\$) 16,945.00 Deduction	CLIN	(\$) 12,500.00 Amount (\$)	Amount (\$) 12,500.00 Approved Amount (\$)
tem	ACQR3199139 Description Option Item 1: Insta Line Total: Sub-Line No. 000201 ACRN Amount 12,500.00 PR Number ACQR3199139 Description	all Electrical Power Di Deduction Amount 0.00 AAA 068732 Deduction Amo 0 Qty. Provided 1	Measure Each stribution Rack Retention Amount 0.00 unt Retention Unit of Measure Each	ACRN Approve Amount 12,500 FFO N on Amount	Recommended I Amount (d .00 SDN N4019214SRC1300 ACRN Approved Amoun 12,500. Unit Price Recommended I Amount (12,500,00 Deduction \$) ACRN AA at 00 (\$) 16,945.00 Deduction	CLIN	(\$) 12,500.00 Amount (\$)	Amount (\$) 12,500.00 Approved Amount (\$)

Sub-Line No.	AAA	TFO	SDN	ACRN
000301	068732	N	N4019214SRC1300	AA
ACRN Amount	Deduction Amount	Retention Amount	ACRN Approved Amount	
16,945,00			16,945.00	
			17,519,50	

[-] LLA Information LLA Level : ACRN

Item Number	Sub Line	ACRN	
0001	000104	AA	
Document Record Reference ID	Agency Accounting ID	ACRN	
N4019214SRC1300	068732	AA	
Agency Qualifier Code	Defense Agency Allocation Recipient	Cost Code	Department Indicator
DD			
Job/Work Order Code	Cost Allocation Code	Transfer from Department	Sub-Allotment Recipient
Classification Code	Fiscal Year Indicator	Work Center Recipient	DoD Budget Accounting Classification Code
Basic Symbol Number	Major Reimbursement Source Code	Limit/Sub Head	Reimbursement Source Code
Fund Code	Customer Indicator/MPC	Fund Org Admin Code	Object Class
IFS Number	Allotment Serial Number	Government Public Sector ID	Transaction Type
Activity Address Code	Foreign Currency Code	Program/ Planning Code	Program Element Code
FMS Case Number (1-3)	FMS Case Number (4-5)	FMS Case Number (6-8)	Project Task/Budget Subline
Special Interest/Program Cost			
Item Number	Sub Line	ACRN	
0001	000102	AF	
Document Record Reference ID	Agency Accounting ID	ACRN	
N4019214SRC1300	068732	AF	
Agency Qualifier Code	Defense Agency Allocation Recipient	Cost Code	Department Indicator
DD			
Job/Work Order Code	Cost Allocation Code	Transfer from Department	Sub-Allotment Recipient
Classification Code	Fiscal Year Indicator	Work Center Recipient	DoD Budget Accounting Classification Code
Basic Symbol Number	Major Reimbursement Source Code	Limit/Sub Head	Reimbursement Source Code
Fund Code	Customer Indicator/MPC	Fund Org Admin Code	Object Class
IFS Number	Allotment Serial Number	Government Public Sector ID	Transaction Type
Activity Address Code	Foreign Currency Code	Program/ Planning Code	Program Element Code
FMS Case Number (1-3)	FMS Case Number (4-5)	FMS Case Number (6-8)	Project Task/Budget Subline
Special Interest/Program Cost			
···.			

Item Number	Sub Line	ACRN	
0002	000201	AA	
Document Record Reference	Agency Accounting ID	ACRN	
N4019214SRC1300	068732	AA	
Agency Qualifier Code	Defense Agency Allocation Recipient	Cost Code	Department Indicator
DD			
Job/Work Order Code	Cost Allocation Code	Transfer from Department	Sub-Allotment Recipient
Classification Code	Fiscal Year Indicator	Work Center Recipient	DoD Budget Accounting Classification Code
Basic Symbol Number	Major Reimbursement Source Code	Limit/Sub Head	Reimbursement Source Code

Fund Code	Customer Indicator/MPC	Fund Org Admin Code	Object Class
IFS Number	Allotment Serial Number	Government Public Sector ID	Transaction Type
Activity Address Code	Foreign Currency Code	Program/ Planning Code	Program Element Code
FMS Case Number (1-3)	FMS Case Number (4-5)	FMS Case Number (6-8)	Project Task/Budget Subline
Special Interest/Program Cost			

Item Number	Sub Line	ACRN	
0003	000301	AA	
Document Record Reference ID	Agency Accounting ID	ACRN	
N4019214SRC1300	068732	AA	
Agency Qualifier Code	Defense Agency Allocation Recipient	Cost Code	Department Indicator
DD			
Job/Work Order Code	Cost Allocation Code	Transfer from Department	Sub-Allotment Recipient
Classification Code	Fiscal Year Indicator	Work Center Recipient	DoD Budget Accounting Classification Code
Basic Symbol Number	Major Reimbursement Source Code	Limit/Sub Head	Reimbursement Source Code
Fund Code	Customer Indicator/MPC	Fund Org Admin Code	Object Class
IFS Number	Allotment Serial Number	Government Public Sector ID	Transaction Type
Activity Address Code	Foreign Currency Code	Program/ Planning Code	Program Element Code
FMS Case Number (1-3)	FMS Case Number (4-5)	FMS Case Number (6-8)	Project Task/Budget Subline
Special Interest/Program Cost			

[-] Address Information

	Prime	e Contractor			Administered By
CAGE Code	DUNS	DUNS + 4	Extension	DoDAAC	
XL05	808474261			N40192	
ctivity Name	1			Activity Name 1	
	INC-UNDERGRO	OUND CONSTRUCT	ION COMPANY,	NAVFAC ENGINEERING C	OMMAND MARIANAS
NC, AJV				Activity Name 2	
Activity Name	2				
				Activity Name 3	
Activity Name	3				
				Address 1	
Address 1				BUILDING 100	
185 DEVLIN RD)			Address 2	
Address 2				NAVBASE GUAM	
				Address 3	
Address 3					
				Address 4	
Address 4				SANTA RITA GUAM	
				City	State
City		State	Zip		
NAPA		CA	94558	Country	Military Loca
Country		Military Locat	ion Description		
USA					

	Inspect By		Accept By		
DoDAAC	Extension	DoDAAC	Extension		
N40192	ROICCF	N40192	ROICCF		
Activity Name 1		Activity Name 1			
NAVFAC ENGINEERIN	G COMMAND MARIANAS	NAVFAC ENGINEERIN	G COMMAND MARIANAS		
Activity Name 2		Activity Name 2			

Activity Name 3

Address 1 **BUILDING 100** Address 2 NAVBASE GUAM Address 3

Address 4

SANTA RITA GUAM

City

State

Zip

Country **Military Location Description** **Activity Name 3**

Address 1 **BUILDING 100** Address 2 NAVBASE GUAM Address 3

Address 4

SANTA RITA GUAM

State

Zip

Country

Military Location Description

Local Processing Official

DoDAAC

Extension

N40192

ROICCF

Activity Name 1

NAVFAC ENGINEERING COMMAND MARIANAS

Activity Name 2

Activity Name 3

Address 1 **BUILDING 100** Address 2 NAVBASE GUAM Address 3

Address 4

SANTA RITA GUAM

City

State

Zip

Country

Military Location Description

Payment Official

DoDAAC Extension

N68732

Activity Name 1

DEFENSE FINANCE AND ACCOUNTING SERV

Activity Name 2

Activity Name 3

Address 1

CLEVELAND-NORFOLK ACCOUNTS PAYABLE

Address 2

1240 E 9TH ST SB39 ACCTS PAYABLE

Address 3

CLEVELAND OH 44199-2001

City

State

Zip

Country

Military Location Description

Issue By

DoDAAC

N40192

Activity Name 1

NAVFAC ENGINEERING COMMAND MARIANAS

Activity Name 2

Activity Name 3

Address 1 **BUILDING 100** Address 2 NAVBASE GUAM

Address 3

Address 4

SANTA RITA GUAM

City

Zip

Country

Military Location Description

[-] Misc Information

Initiator

Name:

Date of Action:

Phone #:

DSN:

aaron isle

Email: aisle@novagrp.com

Org Email: kenw@novagrp.com Attachments: Comments:

2016/01/21 1444 MST

7072651162 Title:

Action(s):

Project Manager

[Saved]

Initiator

Name: aaron isle Date of Action:

Phone #:

DSN:

Email:

2016/01/21 1521 MST

7072651162 Title:

Action(s):

aisle@novagrp.com

Project Manager

[Saved]

Org Email:

kenw@novagrp.com

Attachments:

0178H_Pay_Application_13.pdf

1401_Submittal_Register_Pay_App_13.pdf

1401_Monthly_Exposure_Report_November_2015_Rev1_Signed.pdf 1401_Ocean_Freight_Bill_of_Lading_Log_NOV2015.pdf 1401_Ocean_Transport_Certification_NOV2015.pdf 1401_Stored_Materials_SUB0055_Pay_App_13.pdf 1401_Waste_Mgmt_Monthly_Rpt_CandD_NOV2015.pdf 1401_Waste_Mgmt_Monthly_Rpt_Solid_Waste_NOV2015.pdf

View Attachment **View Attachment View Attachment** View Attachment

View Attachment View Attachment View Attachment View Attachment

Comments:

Initiator

Name: aaron isle Email:

Date of Action: 2016/01/25 0914 MST Phone #: 7072651162 DSN:

aisle@novagrp.com

Org Email: kenw@novagrp.com Attachments: Comments:

Title: Project Manager

Action(s): [Saved]

Initiator

aaron isle

Date of Action:

2016/01/25 0948 MST

Phone #: 7072651162

Title:

DSN:

Email:

Project Manager

Action(s): [Saved]

aisle@novagrp.com

Org Email: kenw@novagrp.com

Attachments:

1401_CSSA_NOV15_Rev1_Signed.pdf 1401_EVR_Pay_App_13.pdf 1401_Stored_Materials_Backup_SUB0055_Pay_App_13.pdf

1401_Sub_Supplier_Summary_Spreadsheet_PayApp13.pdf

View Attachment **View Attachment** View Attachment

View Attachment

Comments:

Initiator

Name: aaron isle Date of Action / IRD:

2016/01/26 1136 MST / 2016/01/26 1136 MST

Phone #: 7072651162 DSN:

Email:

Title:

Action(s):

aisle@novagrp.com

Project Manager

[Submitted, Web, Stand -Alonel

Org Email:

kenw@novagrp.com

Attachments:

1401_N4019214C1300_SUB_0492.02_Revised_Monthly_Network_Analysis_for_November_2015.pdf

View Attachment

1401_7300_30_Pay_App_13_Signed.pdf

View Attachment

Comments:

Inspector

Name:

Date of Action:

Phone #:

Andrew Orr

2016/01/28 2122 MST

6713552274 Title:

Action(s):

Email:

andrew.orr@fe.navy.mil

Mechanical Engineer

[Inspected]

Org Email:

M-GU-NAVFAC-WAWF-ROICCF-GS@fe.navy.mil

Attachments

N4019214C1300_SUB_0492.03_Revised_Monthly_Network_Analysis_for_November_2015_RESP.pdf View Attachment

Work or service has been received, inspected and accepted as conforming to the contract and payment is in accordance with contract provisions. All source documentation provided in support of payment is accurate. Recommend release of retention with exception of the amount necessary to cover 25 days. Resolution of the 25 days of project negative float attributed to the late submission of Draft DGM Report associated with ACT ID PC03E4 is the responsibility of the Contractor and an acceptable mitigation plan to resolve those days has not been received to date. No additional retention from this invoice is required,

Acceptor

Name:

Email:

Date of Action:

Phone #:

DSN:

Augusto Delgado

2016/02/02 1650 MST

671-355-5580

Title: Contract Specialist Action(s): [Saved]

augusto.delgado@fe.navy.mil

Org Email:

M-GU-NAVFAC-WAWF-ROICCF-GS@fe.navy.mil

Attachments: Comments:

Acceptor Name:

Email:

Date of Action:

Phone #:

DSN:

Augusto Delgado

2016/02/02 2232 MST

671-355-5580 Title:

Action(s):

augusto.delgado@fe.navy.mil

Contract Specialist

[Accepted]

Org Email:

M-GU-NAVFAC-WAWF-ROICCF-GS@fe.navy.mil

Attachments:

1401_7300_30_Pay_App_13_Signed.pdf

View Attachment View Attachment

1401_Stored_Materials_Backup_SUB0055_Pay_App_13.pdf 1401_Stored_Materials_Log_SUB0055_Pay_App_13.pdf

View Attachment

Work or service has been received, inspected and accepted on 1/20/2016 as conforming to the contract and payment is in accordance with contract provisions. Revised documents including (7300/30 Invoice coversheet, Stored Materials Log with supporting documents) have been uploaded. All other source documentation provided in support of payment is accurate. Approval of this invoice does not constitute approval of the schedule or its narrative, which will be reviewed and addressed separately during the submittal process. No additional retention from this invoice is required.

Local Processing Official

ANTHONY FRONTIERO

Date of Action: 2016/02/02 2340 MST Phone #: 67135577130 DSN:

Email:

Title:

Action(s):

anthony.p.frontiero@fe.navy.mil

Contracting Officer

[Certified, Processed via EDI]

Org Email:

M-GU-NAVFAC-WAWF-ROICCF-GS@fe.navy.mil

Attachments:

Payment Official ———			
Name:	Date of Action:	Phone #:	DSN:
	2016/02/04 0222 MST	1-855-608-	3975
Email:		Title:	Action(s):
			[Processed via EDI]
Org Email:			
DNFWAWF2@DFAS.MIL			
Attachments:			
Comments:			
Document was processed by the en Number: 1-855-608-3975	litlement system. FOR PMT 0	N 160204-ESTPD 160209 A	MT CERT \$3150987,62 DFAS Customer Service Telephone
Payment Official —			
Name:	Date of Action:	Phone #:	DSN:
	2016/03/03 1943 MST		
Email:		Title:	Action(s):
			[Paid]
Org Email:			
DNFWAWF2@DFAS.MIL			
Attachments:			
Comments:			
Paid.			
[-] Workflow Information			
Contractor Certification			
the proceeds of the payment covered Code;	or performance in accordance s and suppliers from previous by this certification, in accorda s does not include any amoun	payments received under the ance with subcontract agreer	s, and conditions of the contract; e contract have been made, and timely payments will be made from nents and the requirements of chapter 39 of Title 31, United States r intends to withhold or retain from a subcontractor or supplier in
(4) This certification is not to be constr	ued as final acceptance of a s	subcontractor's performance.	
		Signature Date 2016/01/26	aaron isle
ACTION BY: N40192 / ROICCF	had had a shad had had a shad had a shad had had a shad had had had had had had had had had		Signature of Contractor Representative
		representative transport of the second state o	
		The second secon	Has been made by me or under my supervision and they
Recommend Approval			Has been made by me or under my supervision and they conform to contract, except as noted herein or on supporting
Recommend Reduced	Inspection Date	Signature Date	conform to contract, except as noted herein or on supporting documents
	Inspection Date 2016/01/28	Signature Date 2016/01/29	conform to contract, except as noted herein or on supporting
Recommend Reduced		-	conform to contract, except as noted herein or on supporting documents Andrew Orr
☐ Recommend Reduced Amount		-	conform to contract, except as noted herein or on supporting documents
Recommend Reduced Amount Recommend Rejection		-	conform to contract, except as noted herein or on supporting documents Andrew Orr
Recommend Reduced Amount Recommend Rejection ACTION BY: N40192 / ROICCF		-	conform to contract, except as noted herein or on supporting documents Andrew Orr Signature Of Authorized Government Representative Has been made by me or under my supervision and they
Recommend Reduced Amount Recommend Rejection ACTION BY: N40192 / ROICCF	2016/01/28	2016/01/29	conform to contract, except as noted herein or on supporting documents Andrew Orr Signature Of Authorized Government Representative
Recommend Reduced Amount Recommend Rejection ACTION BY: N40192 / ROICCF Approved Amount: \$3,150,987.62		-	conform to contract, except as noted herein or on supporting documents Andrew Orr Signature Of Authorized Government Representative Has been made by me or under my supervision and they conform to contract, except as noted herein or on supporting documents
Recommend Reduced Amount Recommend Rejection ACTION BY: N40192 / ROICCF Approved Amount: \$3,150,987.62 Approve Approve Approval with Deductions	2016/01/28	2016/01/29	conform to contract, except as noted herein or on supporting documents Andrew Orr Signature Of Authorized Government Representative Has been made by me or under my supervision and they conform to contract, except as noted herein or on supporting
Recommend Reduced Amount Recommend Rejection ACTION BY: N40192 / ROICCF Approved Amount: \$3,150,987.62	2016/01/28 Acceptance Date	2016/01/29 Signature Date	conform to contract, except as noted herein or on supporting documents Andrew Orr Signature Of Authorized Government Representative Has been made by me or under my supervision and they conform to contract, except as noted herein or on supporting documents
Recommend Reduced Amount Recommend Rejection ACTION BY: N40192 / ROICCF Approved Amount: \$3,150,987.62 Approve Approve Approval with Deductions	2016/01/28 Acceptance Date	2016/01/29 Signature Date	conform to contract, except as noted herein or on supporting documents Andrew Orr Signature Of Authorized Government Representative Has been made by me or under my supervision and they conform to contract, except as noted herein or on supporting documents Augusto Delgado
Recommend Reduced Amount Recommend Rejection ACTION BY: N40192 / ROICCF Approved Amount: \$3,150,987.62 Approve Approve Approval with Deductions Reject to Initiator ACTION BY: N40192 / ROICCF	2016/01/28 Acceptance Date 2016/02/02	2016/01/29 Signature Date 2016/02/02	conform to contract, except as noted herein or on supporting documents Andrew Orr Signature Of Authorized Government Representative Has been made by me or under my supervision and they conform to contract, except as noted herein or on supporting documents Augusto Delgado
Recommend Reduced Amount Recommend Rejection ACTION BY: N40192 / ROICCF Approved Amount: \$3,150,987.62 Approve Approve Approval with Deductions Reject to Initiator	2016/01/28 Acceptance Date	2016/01/29 Signature Date 2016/02/02	conform to contract, except as noted herein or on supporting documents Andrew Orr Signature Of Authorized Government Representative Has been made by me or under my supervision and they conform to contract, except as noted herein or on supporting documents Augusto Delgado Signature Of Authorized Government Representative suant to authority vested in me, I certify that this voucher is correct and proper for payment.
Recommend Reduced Amount Recommend Rejection ACTION BY: N40192 / ROICCF Approved Amount: \$3,150,987.62 Approve Approve Approval with Deductions Reject to Initiator ACTION BY: N40192 / ROICCF	2016/01/28 Acceptance Date 2016/02/02	2016/01/29 Signature Date 2016/02/02	conform to contract, except as noted herein or on supporting documents Andrew Orr Signature Of Authorized Government Representative Has been made by me or under my supervision and they conform to contract, except as noted herein or on supporting documents Augusto Delgado Signature Of Authorized Government Representative
Recommend Reduced Amount Recommend Rejection ACTION BY: N40192 / ROICCF Approved Amount: \$3,150,987,62 Approve Approve Approval with Deductions Reject to Initiator ACTION BY: N40192 / ROICCF	Acceptance Date 2016/02/02 Signature D	2016/01/29 Signature Date 2016/02/02	conform to contract, except as noted herein or on supporting documents Andrew Orr Signature Of Authorized Government Representative Has been made by me or under my supervision and they conform to contract, except as noted herein or on supporting documents Augusto Delgado Signature Of Authorized Government Representative suant to authority vested in me, I certify that this voucher is correct and proper for payment.
Recommend Reduced Amount Recommend Rejection ACTION BY: N40192 / ROICCF Approved Amount: \$3,150,987,62 Approve Approve Approval with Deductions Reject to Initiator ACTION BY: N40192 / ROICCF	Acceptance Date 2016/02/02 Signature D	2016/01/29 Signature Date 2016/02/02	conform to contract, except as noted herein or on supporting documents Andrew Orr Signature Of Authorized Government Representative Has been made by me or under my supervision and they conform to contract, except as noted herein or on supporting documents Augusto Delgado Signature Of Authorized Government Representative suant to authority vested in me, I certify that this voucher is correct and proper for payment. ANTHONY FRONTIERO
Recommend Reduced Amount Recommend Rejection ACTION BY: N40192 / ROICCF Approved Amount: \$3,150,987.62 Approve Approval with Deductions Reject to Initiator ACTION BY: N40192 / ROICCF Document Certified Document Rejected	Acceptance Date 2016/02/02 Signature D	2016/01/29 Signature Date 2016/02/02	conform to contract, except as noted herein or on supporting documents Andrew Orr Signature Of Authorized Government Representative Has been made by me or under my supervision and they conform to contract, except as noted herein or on supporting documents Augusto Delgado Signature Of Authorized Government Representative suant to authority vested in me, I certify that this voucher is correct and proper for payment. ANTHONY FRONTIERO
Recommend Reduced Amount Recommend Rejection ACTION BY: N40192 / ROICCF Approved Amount: \$3,150,987.62 Approve Approval with Deductions Reject to Initiator ACTION BY: N40192 / ROICCF Document Certified Document Rejected ACTION BY: Payment Official	Acceptance Date 2016/02/02 Signature D	2016/01/29 Signature Date 2016/02/02	conform to contract, except as noted herein or on supporting documents Andrew Orr Signature Of Authorized Government Representative Has been made by me or under my supervision and they conform to contract, except as noted herein or on supporting documents Augusto Delgado Signature Of Authorized Government Representative suant to authority vested in me, I certify that this voucher is correct and proper for payment. ANTHONY FRONTIERO

Clos	
V	Document Paid
	Document in Mylnvoice"
	Document Available For Recall
	Document Suspended

FOUO - MAY CONTAIN PRIVACY DATA
1 OF 2 VIEW INVOICE H30S7V41

USER CODE : P CPT CODE : G

FUND USAGE NUM: 671476 CNT/NSD NUM: N4019214C1300 PIID:

CONTR/INV NUM : 13 CNT AWD CODE: E INVOICE NUM: 14

VENDOD NAME NOVA CROUD THE MUREL STREET

VENDOR NAME: NOVA GROUP INC UNDERGROUND CONSTR

UCTION INC A JV VDR SRL: EMP NUM:

INVOICE ORIGIN : WAWF CGE CDE: 4XL05

INVOICE ORIGIN: WAWF

DISTRIBUTION TYPE: 2 1) AUTO 2) BY ACRN

INVOICE PMT TYPE: C INV STS: PAD

PAYMENT AUTHORIZED: EDA IDR: E

DUN NUM: 808474261

CONTRACTOR INV DATE: 160126

INVOICE RVD DATE: 160128

LATE REASON CODE : RESPONSIBLE UIC: MAT/SVC ACP DATE : 160202 CLAIM/DISAGREE(Y/N): PROMPT PMT TERM: 01 DEFECT RETURN DATE : EFT/CHK NUM: 79607655 CCR EPN DATE : CRR INV RVD DATE :

CERTIFIER NAME: CON ACCEPT DATE :

RECOMMEND PAY AMT: 3,150,987.62 INVOICE PAID DATE : 160208

INVOICE INT AMT : INVOICE DUE DATE : DISCOUNT PCT/DAYS: CNT FNL RLS DATE :

PRESS ENTER TO CONTINUE TO NEXT SCREEN OR PF2 TO EXIT.

PROC: S07 SVC: 4 PF6-VIEW D.O.S PF9-VIEW SECONDARY

Admin By View Only - Navy Construction / Facilities Management Invoice

068732

Deduction Amount

[-] Document Information Reference Procurement Identifier **Contract Number Type Contract Number Delivery Order** Issue Date Construction **Fixed Price** N4019214C1300 DoD Contract (FAR) 2013/12/21 Invoice Number Invoice Date Final Invoice? Invoice Received Date 20 2016/10/03 Ν 2016/10/03 Discounts NET : 14 Summary of Detail Level Information **Deduction Amount (\$)** Retention Amount (\$) Total (\$) 2 CLIN/SLIN(s) 0.00 371,108.19 3,711,081.96 [-] Line Item Information **Deduction Amount Retention Amount Govt Approved Total** 3,711,081.96 0.00 371,108.19 3,339,973,77 Unit of **CLIN Amount** Approved Qty. Provided Unit Price (\$) PR Number **UofM Code** No. Measure (\$) Amount (\$) 0001 ACQR3199139 Each EΑ 200,800.00 180,720.00 Recommended Deduction Description Amount (\$) Base Bid 20,080.00 Deduction Retention **ACRN Approved** Line Total: Amount 0.00 20,080.00 180,720.00 Sub-Line No. TFO SDN AAA ACRN

ltem No.	PR Number	Qty. Provided	Unit of Measure	UofM Code	Unit Price (\$)		CLIN Amount (\$)	Approved Amount (\$)
0004		1	Each	EA	3,510,	281.96	3,510,281.96	3,159,253.7
	Description				Recommended Deduc Amount (\$)	ction		
	FUND ACRN Billing	AB - Contract Modi	fication P00025 / F	P00030 (PC004) JTD	351,028.19			
	Line Total:	Deduction Amount	Retention Amount	ACRN Approved Amount	l			
		0.00	351,028.19	3,159,253	77			
	Sub-Line	No. AA	\A	TFO	SDN	ACRN		
	000403	068	732	N	N4019214SRC1300	AJ		
	ACRN Am	ount Deduction	n Amount Re	tention Amount	ACRN Approved Amount			
	3,510,2	81.96		351,028,19	3,159,253.77			

N4019214SRC1300

ACRN Approved Amount

180,720.00

Ν

Retention Amount

20,080.00

[-] LLA Information

LLA Level : ACRN

000104

ACRN Amount

200,800.00

Item Number	Sub Line	ACRN	
0001	000104	AA	
Document Record Reference ID	Agency Accounting ID	ACRN	
N4019214SRC1300	068732	AA	
Agency Qualifier Code	Defense Agency Allocation Recipient	Cost Code	Department Indicator
DD			
Job/Work Order Code	Cost Allocation Code	Transfer from Department	Sub-Allotment Recipient
Classification Code	Fiscal Year Indicator	Work Center Recipient	DoD Budget Accounting Classification Code
Basic Symbol Number	Major Reimbursement Source Code	Limit/Sub Head	Reimbursement Source Code
Fund Code	Customer Indicator/MPC	Fund Org Admin Code	Object Class

IFS Number	Allotment Serial Number	Government Public Sector ID	Transaction Type
Activity Address Code	Foreign Currency Code	Program/ Planning Code	Program Element Code
FMS Case Number (1-3)	FMS Case Number (4-5)	FMS Case Number (6-8)	Project Task/Budget Subline
Special Interest/Program Cost			

Item Number	Sub Line	ACRN	
0004	000403	AJ	
Document Record Reference ID	Agency Accounting ID	ACRN	
N4019214SRC1300	068732	AJ	
Agency Qualifier Code	Defense Agency Allocation Recipient	Cost Code	Department Indicator
DD			
Job/Work Order Code	Cost Allocation Code	Transfer from Department	Sub-Allotment Recipient
Classification Code	Fiscal Year Indicator	Work Center Recipient	DoD Budget Accounting Classification Code
Basic Symbol Number	Major Reimbursement Source Code	Limit/Sub Head	Reimbursement Source Code
Fund Code	Customer Indicator/MPC	Fund Org Admin Code	Object Class
IFS Number	Allotment Serial Number	Government Public Sector	Transaction Type
Activity Address Code	Foreign Currency Code	Program/ Planning Code	Program Element Code
FMS Case Number (1-3)	FMS Case Number (4-5)	FMS Case Number (6-8)	Project Task/Budget Subline
Special Interest/Program Cost			

[-] Address Information

	Prim	e Contractor			Administered By	
CAGE Code	DUNS	DUNS + 4	Extension	DoDAAC		
4XL05	808474261			N40192		
Activity Name	1			Activity Name 1		
NOVA GROUP INC, AJV	, INC-UNDERGRO	UND CONSTRUCT	TON COMPANY,	NAVFAC ENGINEERING	COMMAND MARIANAS	
Activity Name	2			Activity Name 2		
Activity Name	3			Activity Name 3		
Address 1				Address 1		
	_			BUILDING 100		
185 DEVLIN RE	J			Address 2		
Address 2				NAVBASE GUAM		
Address 3				Address 3		
Address 4				Address 4 SANTA RITA GUAM		
City		State	Zip	City	State	Zip
NAPA		CA	94558			
Country			ion Description	Country	Military Loca	tion Descripti
USA		ary Local	ion bescription			

	Inspect By		Accept By		
DoDAAC	Extension	DoDAAC	Extension		
N40192	ROICCF	N40192	ROICCF		
Activity Name 1		Activity Name 1	Activity Name 1		
NAVFAC ENGINEERING	COMMAND MARIANAS	NAVFAC ENGINEE	NAVFAC ENGINEERING COMMAND MARIANAS		
Activity Name 2		Activity Name 2			

Activity Name 3

Address 1

BUILDING 100

Address 2

NAVBASE GUAM

Address 3

Address 4

SANTA RITA GUAM

City

Country

Military Location Description

Zip

Activity Name 3

Address 1

BUILDING 100

Address 2

NAVBASE GUAM

Address 3

Address 4

SANTA RITA GUAM

City

State

Zip

Zip

Country

Military Location Description

Local Processing Official

DoDAAC

Extension

State

N40192

ROICCF

Activity Name 1

NAVFAC ENGINEERING COMMAND MARIANAS

Activity Name 2

Activity Name 3

Address 1

BUILDING 100

Address 2

NAVBASE GUAM

Address 3

Address 4

SANTA RITA GUAM

City

State

Zip

Country

Military Location Description

Payment Official

DoDAAC Extension

N68732

Activity Name 1

DEFENSE FINANCE AND ACCOUNTING SERV

Activity Name 2

Activity Name 3

Address 1

CLEVELAND-NORFOLK ACCOUNTS PAYABLE

1240 E 9TH ST SB39 ACCTS PAYABLE

Address 3

Address 4

CLEVELAND OH 44199-2001

City

State

Country **Military Location Description**

Issue By

DoDAAC

N40192

Activity Name 1

NAVFAC ENGINEERING COMMAND MARIANAS

Activity Name 2

Activity Name 3

Address 1

BUILDING 100

Address 2

NAVBASE GUAM

Address 3

Address 4

SANTA RITA GUAM

City

State

Zip

Country

Military Location Description

[-] Misc Information

Initiator Name: Date of Action: Phone #: DSN: 2016/09/29 1057 MDT 7072651162 aaron isle Email: Title: Action(s): aisle@novagrp.com Project Manager [Saved] Org Email: kenw@novagrp.com Attachments: SL_0220_Pay_App_20_July_2016.pdf **View Attachment** N4019214C1300_SUB_0634_01_Monthly_Network_Analysis_for_July_2016RESP.pdf **View Attachment** $Monthly_Exposure_Report_July_2016_Signed.pdf$ **View Attachment** CSSA_JUL16_Signed.pdf **View Attachment** 1401_Submittal_Register_Updated_July_2016.pdf **View Attachment** Attachment_A6_Waste_Mgmt_Monthly_Rpt_CandD_JULY2016.pdf **View Attachment** Attachment_A7_Waste_Mgmt_Monthly_Rpt_Solid_Waste_JULY2016.pdf View Attachment Monthly_Invoice_Certification_JULY2016.pdf **View Attachment** $Bill_of_Lading_Log_JULY2016.pdf$ **View Attachment** Sub_Supplier_Summary_Spreadsheet_July_2016.pdf **View Attachment**

Initiator Name: Date of Action: DSN: Phone #: 2016/09/30 1113 MDT 7072651162 aaron isle Email: Title: Action(s): aisle@novagrp.com Project Manager [Saved] Org Email: kenw@novagrp.com Attachments: Monthly_Invoice_Checklist_Modified_CM_WB.pdf **View Attachment** Comments:

Initiator Name: Date of Action / IRD: DSN: Phone #: 2016/10/03 1119 MDT / 2016/10/03 aaron isle 7072651162 1119 MDT Email: Title: Action(s): aisle@novagrp.com Project Manager [Submitted, Web, Stand Alone] Org Email: kenw@novagrp.com Attachments: 7300_30_Pay_App_20.pdf View Attachment Comments:

Initiator Date of Action: DSN: Phone #: 2016/10/03 1526 MDT aaron isle 7072651162 Email: Title: Action(s): aisle@novagrp.com Project Manager [Saved] Org Email: kenw@novagrp.com Attachments: 1401_EVR_Pay_App_Period_24_July_2016_REV1.pdf View Attachment Comments:

Name: Date of Action / IRD: Phone #: DSN:

aaron isle

Email:

2016/10/03 1528 MDT / 2016/10/03

Title:

Action(s):

aisle@novagrp.com

Project Manager

7072651162

[Recalled, Submitted]

Org Email:

kenw@novagrp.com Attachments:

System Comment: Attachment(s) Deleted - 1401_EVR_Pay_App_Period_24_July_2016_REV1.pdf

Inspector

Name: Andrew Orr Date of Action:

Phone #:

DSN:

Email:

2016/10/03 1706 MDT

6713552274 Title:

Action(s):

andrew.orr@fe.navv.mil

Mechanical Engineer

[Saved]

Org Email:

M-GU-NAVFAC-WAWF-ROICCF-GS@fe.navy.mil

Attachments:

Comments:

Work or service has been received, inspected and accepted as conforming to the contract and payment is in accordance with contract provisions. All source documentation provided in support of payment is accurate. Recommend to retain 10% due to all-stop on MEC work that is causing a day-for-day delay to the critical

Inspector

Name:

Date of Action:

Phone #:

DSN:

Andrew Orr

2016/10/03 2110 MDT

6713552274

Email: andrew.orr@fe.navy.mil

Title: Mechanical Engineer

Action(s): [Inspected]

Org Email:

M-GU-NAVFAC-WAWF-ROICCF-GS@fe.navy.mil

Attachments:

Work or service has been received, inspected and accepted as conforming to the contract and payment is in accordance with contract provisions. All source documentation provided in support of payment is accurate. Recommend to retain 10% due to all-stop on MEC work that is causing a day-for-day delay to the critical

Acceptor

Name:

Date of Action:

Phone #:

DSN:

RoAnna Peredo

2016/10/05 2210 MDT

671-355-2154

315-355-2154

Email:

Title:

Action(s):

roanna.peredo@fe.navy.mil

Contract Specialist

[Saved]

Org Email:

M-GU-NAVFAC-WAWF-ROICCF-GS@fe.navy.mil

Comments:

Work or service has been received, inspected and accepted through 10/04/2016 as conforming to the contract. Payment is in accordance with contract provisions. Retention percentage of 10 percent is attributed to the following: 1) recurring problems with unacceptable concrete preparation and placement as referenced in NAVFAC Ser RF160064 letter and 2) All stop on MEC work causing a day-for-day delay to the critical path. Retention breakdown is as follows: Contractor invoice amount: \$3,711,081.96 less 10% retention: \$371,108.19 = Adjusted invoice total: \$3,339,973.77. contractor description for CLIN 04 in One item tab is inaccurate. ACRN for amount billed and retained by the Government should be ACRN AJ NOT AB as indicated in Contractor WAWF submission. All source documentation provided in support of payment received is accurate.

Acceptor

RoAnna Peredo

Date of Action: 2016/10/10 2230 MDT Phone #: 671-355-2154

DSN: 315-355-2154

Email:

Title:

Action(s):

roanna.peredo@fe.navy.mil

Contract Specialist

[Saved]

M-GU-NAVFAC-WAWF-ROICCF-GS@fe.navy.mil

Attachments:

Comments:

Acceptor			
Name:	Date of Action:	Phone #:	DSN:
RoAnna Peredo	2016/10/10 2339 MDT	671-355-2154	315-355-2154
Email:		Title:	Action(s):
roanna.peredo@fe.navy.mil		Contract Specialist	[Saved]
Org Email:			(<u>-</u>
M-GU-NAVFAC-WAWF-ROICCF	-GS@fe.navv.mil		
Attachments:	-		
Comments:			
Retention percentage of 10 perce NAVFAC Ser RF160064 letter and amount: \$3,711,081.96 less 10% ACRN for amount billed and retain	nt is attributed to the following: 1) recurri d 2) All stop on MEC work causing a day retention: \$371,108.19 = Adjusted invoic ned by the Government should be ACRN	ng problems with unacceptable concre -for-day delay to the critical path. Retel te total: \$3,339,973.77. contractor desc AJ NOT AB as indicated in Contractor	ayment is in accordance with contract provisions. the preparation and placement as referenced in nation breakdown is as follows: Contractor invoice ription for CLIN 04 in One item tab is inaccurate. 'WAWF submission. All source documentation error, EVR signed by Government representative
Acceptor —			
Name:	Date of Action:	Phone #:	DSN:
RoAnna Peredo	2016/10/11 0057 MDT	671-355-2154	315-355-2154
Email:		Title:	Action(s):
roanna.peredo@fe.navy.mil		Contract Specialist	[Accepted]
Org Email:		•	
M-GU-NAVFAC-WAWF-ROICCF-	-GS@fe.navy.mil		
Attachments:			
Comments:			
amount: \$3,711,081.96 less 10% ACRN for amount billed and retain	retention: \$371,108.19 = Adjusted invoice ned by the Government should be ACRN	e total: \$3,339,973.77, contractor desc I AJ NOT AB as indicated in Contractor	ntion breakdown is as follows: Contractor invoice ription for CLIN 04 in One item tab is inaccurate. WAWF submission. All source documentation ver, EVR signed by Government representative
Local Processing Official —			
Name:	Date of Action:	Phone #:	DSN:
Jenais Guerrero	2016/10/11 1813 MDT	6713557131	25/11
Email:		Title:	Action(s):
jenais.guerrero@fe.navy.mil		Contracting Officer	[Certified, Processed via EDI]
Org Email:		-	•
M-GU-NAVFAC-WAWF-ROICCF-	GS@fe.navy.mil		
Attachments:			
Comments:			
[-] Workflow Information			
Contractor Certification			
(2) All payments due to subcontract	for performance in accordance with the ors and suppliers from previous paymen	ts received under the contract have be-	f the contract; en made, and timely payments will be made from irements of chapter 39 of Title 31, United States
(3) This request for progress payme accordance with the terms and cond			d or retain from a subcontractor or supplier in
		ature Date	aaron isle
	20	16/10/03	turo of Contractor Donoscotation

Recommend Approval

ACTION BY: N40192 / ROICCF

Has been made by me or under my supervision and they conform to contract, except as noted herein or on supporting documents Inspection Date Signature Date

☑ Recommend Reduced

Andrew Orr 2016/10/03 2016/10/04

Recommend Rejection

Signature Of Authorized Government Representative

ACTION BY: N40192 / ROICCF

Signature of Contractor Representative

Approved Amount: \$3,339,973.77	1		
□ Approve☑ Approval with Deductions□ Reject to Initiator	Acceptance Date 2016/10/10	Signature Date 2016/10/11	Has been made by me or under my supervision and they conform to contract, except as noted herein or on supporting documents RoAnna Peredo Signature Of Authorized Government Representative
ACTION BY: N40192 / ROICCF	SP-ROPARGERRAMMAN EAST MASSAGE SANISM (VALUE AND AND AND AND AND AND AND AND AND AND		
✓ Document Certified □ Document Rejected	Signature Date 2016/10/11		Pursuant to authority vested in me, I certify that this voucher is correct and proper for payment. Jenais Guerrero
			Signature Of Authorized Government Representative
ACTION BY: Payment Official			
✓ Document Accepted			
☑ Document Processed			
☐ Document Rejected			
☐ Document Suspended			
Document Available For Recall			

FOUO - MAY CONTAIN PRIVACY DATA 16NOV21 16:08:52 1 OF 2 VIEW INVOICE H30S7V41

USER CODE : P CPT CODE : G

FUND USAGE NUM: 671476 CNT/NSD NUM: N4019214C1300 PIID: CONTR/INV NUM: 20 CNT AWD CODE: E INVOICE

CNT AWD CODE: E INVOICE NUM: 21

VENDOR NAME: NOVA GROUP INC UNDERGROUND CONSTR UCTION INC A JV

> EMP NUM: CGE CDE: 4XL05

VDR SRL:

INVOICE ORIGIN : WAWF DUN NUM: 808474261

DISTRIBUTION TYPE : 2 1) AUTO 2) BY ACRN CONTRACTOR INV DATE: 161003 INVOICE PMT TYPE : C INV STS : PAD INVOICE RVD DATE : 161003 PAYMENT AUTHORIZED : EDA IDR : E MAT/SVC RVD DATE : 161003 LATE REASON CODE : RESPONSIBLE UIC: MAT/SVC ACP DATE : 161010 CLAIM/DISAGREE(Y/N): PROMPT PMT TERM: 01 DEFECT RETURN DATE : EFT/CHK NUM: 79624841 CCR EPN DATE : CRR INV RVD DATE : DISTRIBUTION TYPE : 2 1) AUTO 2) BY ACRN
INVOICE PMT TYPE : C INV STS : PAD

CERTIFIER NAME: CON ACCEPT DATE

RECOMMEND PAY AMT: 3,339,973.77 INVOICE PAID DATE : 161013

INVOICE INT AMT : INVOICE DUE DATE DISCOUNT PCT/DAYS: CNT FNL RLS DATE :

PRESS ENTER TO CONTINUE TO NEXT SCREEN OR PF2 TO EXIT.

PROC: S07 SVC: 4 PF6-VIEW D.O.S PF9-VIEW SECONDARY

-38,128,528.34	(851,411.01) (226,691.18) (3,159,253.77) -38,128,528.34	(226,691.18)	(851,411.01)	(277,500.00)	(824,375.54) (277,500.00)	(26,415.96)	(575,587.64) (961,709.85) (26,415.96)	(575,587.64)	(31,225,583.39)	ACRN TOTAL	
-3,339,973.77	-3,159,253.77	HE THEOLOGY	55-54-55	Marked Sections					-180,720.00	11-Oct-16 INVOICE 20	11-Oct-16
-1,836,370.86				-38,358.75	-21,175.00	-2,641.60			-1,774,195.51	17-Aug-16 INVOICE 19 COMB	17-Aug-16
-635,402.25	0.00			-39,228.75	-135,900.00			S DESCRIPTION OF	-460,273.50	12-May-16 INVOICE 17	12-May-16
-175,166.55									-175,166.55	26-Apr-16 INVOICE 16	26-Apr-16
-804,721.78					-45,675.00	-23,774.36			-735,272.42	22-Apr-16 INVOICE 15	22-Apr-16
-1,107,850.22				-11,780.00	-102,275.00		-99,915.38		-893,879.84	8-Mar-16 INVOICE 14	8-Mar-16
-787,011.76		-63,954.18	-46,616.61	-9,159.37	-42,300.00		-15,642.29		-609,339.31	29-Feb-16 INVOICE 14RET	29-Feb-16
-3,150,987.62				-16,945.00	-12,500.00		-63,900.62		-3,057,642.00	8-Feb-16 INVOICE 13	8-Feb-16
-4,066,611.76		-7,712.00		-69,450.00	-141,075.00		-641,470.96		-3,206,903.80	5-Jan-16 INVOICE 12	5-Jan-16
-1,744,096.35		-155,025.00		-46,451.25			-2,713.85	-282,883.00	-1,257,023.25	27-Oct-15 INVOICE 11	27-Oct-15
-1,372,229.90			S C VIII VIII VIII	-26,853.75			-138,066.75	-292,704.64	-914,604.76	9-Oct-15 INVOICE 10	9-Oct-15
-1,402,982.58			-83,861.64		-17,611.22				-1,301,509.72	7-Sep-15 INVOICE 9RET	7-Sep-15
-3,646,092.02				-19,273.13	-51,062.50				-3,575,756.39	4-Sep-15 INVOICE 9	4-Sep-15
-1,100,159.83			-56,024.76						-1,044,135.07	25-Aug-15 INVOICE 8	25-Aug-15
-5,197,930.83			-354,210.65		-120,614.32	E 9			-4,723,105.86	4-Jun-15 INVOICE 7	4-Jun-15
-2,255,306.54			-258,447.35						-1,996,859.19	22-Apr-15 INVOICE 6	22-Apr-15
-1,964,944.87	bu mara-bul		-52,250.00		-134,187.50				-1,778,507.37	5-Apr-15 INVOICE 5R1	5-Apr-15
-2,339,795.12									-2,339,795.12	13-Jan-15 INVOICE 4	13-Jan-15
-542,342.73	OHER THE SERVICE								-542,342.73	8-Jan-15 INVOICE 3	8-Jan-15
-411,150.00									-411,150.00	20-Nov-14 INVOICE 2R4	20-Nov-14
-247,401.00									-247,401.00	30-Jul-14 INVOICE 1	30-Jul-14
	AJ	AE	AB	AA	AA	AH	ΑF	AD	AA	ACRN	
	0004	1000	0004	0003	0002	0001	0001	0001	0001	CLIN	
ACTION TOTAL	DWCF (PC04/18)	DWCF (PC04/05)	DWCF (PC03)	FY13 MilCON	FY13 MILCON	FY16 MILCON (PC53)	FY11 MILCON	FY15 MILCON	FY13 MILCON	Invoice No.	Date

N40192-14-C-1300

ACRN	Prior Payments	Outstanding Obl	Total Value
AA	\$32,097,191.83	19,224,010.68	\$51,321,202.51
AB	\$851,411.01	29,879.99	\$881,291.00
AD	\$969.70	575,587.64	\$576,557.34
AE	\$1,031,576.22	109,763.28	\$1,141,339.50
AF	\$961,709.85	1,033.17	\$962,743.02
АН	\$26,415.96	518,384.04	\$544,800.00
AJ	\$3,159,253.77	6,063,301.48	\$9,222,555.25
Total	\$38,128,528.34	26,521,960.28	\$64,650,488.62

as of November 21, 2016



WAWF - CLINS

90	AAA br>(WAWF)	SDN br>(WAWF)	OBL	UNLIQ OBL	CLIN	SLIN	TFO
	068732	N4019214SRC1300	51,788,812.36	19,224,010.68	0001	04	No
AA 06	068732	N4019214SRC1300	51,788,812.36	19,224,010.68	0002	01	No
AA 06	068732	N4019214SRC1300	51,788,812.36	19,224,010.68	0003	01	No
AB 06	068732	N4019214SRC1300	881,291.00	29,879.99	0004	01	No
AD 06	068732	N4019214SRC1300	576,557.34	575,587.64	0001	01	No
AE 06	068732	N4019214SRC1300	1,141,339.50	109,763.28	0004	02	No
AF 06	068732	N4019214SRC1300	962,743.02	1,033.17	0001	02	No
AH 06	068732	N4019214SRC1300	544,800.00	518,384.04	0001	03	No
AJ 06	068732	N4019214SRC1300	9,222,555.25	6,063,301.48	0004	03	No

This is an official U.S. Navy web site

GILS NUMBER DOD-USN-000702 DOD Privacy and Security Notice

06:51 PM 21 Nov, 2016 PST

Legend:

Source Data - IDS

OBL: Obligation (Sum equals to Current contract value: \$65,118,098.47 as of 11/21/16)
 UNLIQ OBL: Unliquidated Obligation (Sum equals to remaining payments: \$26,521,960.28 as of 11/21/16
 See spreadsheet for reconciliation. File name "Remaining Payments by ACRN."

nty (co-surgins) consents (consent) to the (consents	N40192-14-C-1300	P00004-P00020	September 28, 2015
ety (co-sureties) consents (consent) to the foregoing content			
end to the contract as modified or amended. The principal, the penalty of the performance bond or bonds is increas: No Maion On Hundred Five ment bond or bonds is increased by Noted for the penalty of	l and surety (co-sureties) fur led by the reference for the large from the re- dollars (\$2,105,052.44)	(agree) that its (their) bond ther agree that on or after _dollars (\$2,105,052.44). However, the incre	l or bonds shall apply the execution of this) and the penalty of
5. NAME OF SURETY(IES)		6.INCREASE IN LIABILITY LIMIT UNDER PERFORMANCE BOND	7.INCREASE IN LIABILITY LIMIT UNDER PAYMENT BOND
o Insurance Company of America 070-017-55	3 (Nova)	\$1,263,031.46	\$1,263,031.46
o Insurance Company of America 906002789	(Underground)	\$294,707.34	\$ 294,707.34
al Insurance Company 82335946 (Undergrou	nd)	\$ 547,313.64	s 547,313.64
L	B. SIGNATURE* C. TYPED NAME AND TITLE		(Affix Scal)
Nova Group, Inc Underground Construction Co., Inc. A Joint Venture	BY C. TYPED NAME AND TITLE Walter Birdsa VP / CFO D. DATE THIS CONSENT EX	11 ECUTED	(Affix Corporate Seal)
nal or authorized representative shall execute this Consent tative (e.g., attorney-in-fact) that signs the consent is not Dower-of-Attorney or a Certificate of Corporate Principal m	of Surety and Increase of Po a member of the partnership ust accompany the consent	nalty with the modification, or joint venture, or an of	to which it pertains. If licer of the corporation
10. CORPORATE/INDIN	IDUAL SURETY (CO-SUI	RETIES)	
laple Ave. ne, NH l No. 070-017-553	M. Moody Attorney-in-Fact F. Day's This colusion Exi		(Affix Scal)
co Insurance Company of America aple Ave. e, NH 03431	C. TYPED NAME AND TITLE M. Moody Attorney-in-Fact	Mrsf	(Affix Seal)
rate/Noivibual surety's Name and address ral Insuance Company ountain View Road en, NJ 07059 No. 82335946 (Underground)	BY C. TYPED NAME AND TITLE M. Moody Attorney-in-Fact D. DATE THIS CONSENT EXT	SENT (Signature) CCUTED October 30, 2015	(Affix Seal)
	5. NAME OF SURETY(IES) CO Insurance Company of America 070-017-55 CO Insurance Company of America 906002789 CO Insurance Company 82335946 (Underground A. BUSINESS ADDRESS Nova Group, Inc Underground Construction Co., Inc. A Joint Venture 185 Devlin Road Napa, CA 94558 Pal or authorized representative shall execute this Consent is not Power-of-Attorney or a Certificate of Corporate Principal m 10. CORPORATE/INDIVIDUAL SURETY'S NAME AND ADDRESS Pactor Insurance Company of America Maple Ave. Ine, NH Ind No. 070-017-553 PORATE/INDIVIDUAL SURETY'S NAME AND ADDRESS Pactor Insurance Company of America Maple Ave. Ine, NH 03431 Ind No. 906002789 (Underground) PORATE/INDIVIDUAL SURETY'S NAME AND ADDRESS Paral Insuance Company Insurance Company Insur	Co Insurance Company of America 070-017-553 (Nova) Co Insurance Company of America 906002789 (Underground) Co Insurance Company 82335946 (Underground) A. BUSINESS ADDRESS A. CORPORATE NAME AND BUSINESS ADDRESS Nova Group, Inc Underground Construction Co., Inc. A Joint Venture 185 Devlin Road Napa, CA 94558 Power-of-Attorney or a Certificate of Corporate Principal most a company (ba-coupent) 10. CORPORATE/INDIVIDUAL SURETY'S NAME AND ADDRESS CO Insurance Company of America Maple Ave. 10. NO 70-017-553 CORATE/INDIVIDUAL SURETY'S NAME AND ADDRESS CO Insurance Company of America Maple Ave. 11. OR OR ORATE/INDIVIDUAL SURETY'S NAME AND ADDRESS CO Insurance Company of America Maple Ave. 12. OR OR ORATE/INDIVIDUAL SURETY'S NAME AND ADDRESS CO Insurance Company of America Maple Ave. 13. CORPORATE/INDIVIDUAL SURETY'S NAME AND ADDRESS CO Insurance Company of America Maple Ave. 14. OR OR OR OR OR OR OR OR OR OR OR OR OR	S. NAME OF SURETY(IES) S. NAME OF SURETY(IES) S. NAME OF SURETY(IES) S. NAME OF SURETY(IES) S. NAME OF SURETY(IES) S. NAME OF SURETY(IES) S. NAME OF SURETY(IES) S. NAME OF SURETY(IES) S. NAME OF SURETY(IES) S. NAME OF SURETY(IES) S. 1,263,031.46 S. 1,263,031.46 S. 1,263,031.46 S. 294,707.34 S. 294,707.34 S. SIGNATURE* C. TYPED NAME AND TITLE T. O. DATE THIS CONSENT EXECUTED D. DATE THIS CONSENT EXECUTED D. DATE THIS CONSENT EXECUTED D. DATE THIS CONSENT EXECUTED D. DATE THIS CONSENT EXECUTED D. DATE THIS CONSENT EXECUTED November 2, 2015 D. DATE THIS CONSENT EXECUTED D. DATE THIS CONSENT EXECUTED D. DATE THIS CONSENT EXECUTED November 2, 2015 D. DATE THIS CONSENT EXECUTED D. DATE THIS CONSENT EXECUTED November 2, 2015 D. DATE THIS CONSENT EXECUTED November 2, 2015 D. DATE THIS CONSENT EXECUTED November 2, 2015 D. DATE THIS CONSENT EXECUTED November 2, 2015 D. DATE THIS CONSENT EXECUTED November 2, 2015 D. DATE THIS CONSENT EXECUTED November 2, 2015 D. DATE THIS CONSENT EXECUTED November 2, 2015 D. DATE THIS CONSENT EXECUTED November 2, 2015 D. DATE THIS CONSENT EXECUTED November 2, 2015 D. DATE THIS CONSENT EXECUTED D. DATE THIS CONSENT EXECUTED November 2, 2015 D. DATE THIS CONSENT EXECUTED D. DATE THIS CONSENT EXECUTED D. DATE THIS CONSENT EXECUTED D. DATE THIS CONSENT EXECUTED D. DATE THIS CONSENT EXECUTED Cotober 30, 2015 D. PATE THIS CONSEN

X6475767676767676767676767676767676767676	CIVIL CODE § 1189
A notary public or other officer completing this certific document to which this certificate is attached, and not	cate verifies only the identity of the individual who signed the the truthfulness, accuracy, or validity of that document.
State of California)
County of San Francisco	
On October 30, 2015 before me,	Virginia L. Ledford-Black, Notary Public
Date	Here Insert Name and Title of the Officer
personally appearedM. Mood	dy
	Name(s) of Signer(s)
Subscribed to the within instrument and acknow	
	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
	WITNESS my hand and official seal.
VIRGINIA L. LEDFORD-BLACK Commission # 2006989 Notary Public - California San Francisco County My Comm. Expires Feb 15, 2017	Signature of Notary Public
Place Notary Seal Above	
Though this section is optional, completing this	e information can deter alteration of the document or so form to an unintended document.
Description of Attached Document	
	Document Date:
Number of Pages: Signer(s) Other Tha	n Named Above:
Capacity(ies) Claimed by Signer(s) Signer's Name:	
Corporate Officer — Title(s):	Signer's Name:
☐ Partner — ☐ Limited ☐ General	☐ Corporate Officer — Title(s): ☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact	☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator	Trustee Guardian or Conservator
Other:	☐ Other:
Signer Is Representing:	Signer Is Representing:
2004 4 11 11	

CIVIL CODE § 1189

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A notary public or other officer completing this document to which this certificate is attached, ar	certificate verifies only the identity of the individual who signed the nd not the truthfulness, accuracy, or validity of that document.
State of California)
County of San Francisco)
	Virginia L. Ledford-Black, Notary Public
Date	Here Insert Name and Title of the Officer
personally appearedM.	
personally appeared	Name(s) of Signer(s)
subscribed to the within instrument and ac	factory evidence to be the person(s) whose name(s) is/are cknowledged to me that he/she/they executed the same in at by his/her/their signature(s) on the instrument the person(s), on(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws
	of the State of California that the foregoing paragraph is true and correct.
	WITNESS my hand and official seal.
VIRGINIA L. LEDFORD-BLACK Commission # 2006969 Notary Public - California San Francisco County My Comm. Expires Fab 15, 2017	Signature Villa Collaboration Signature of Notary Public
Place Notary Seal Above	
	optional ng this information can deter alteration of the document or of this form to an unintended document.
Description of Attached Document	
Title or Type of Document:	Document Date:
•	er Than Named Above:
Capacity(ies) Claimed by Signer(s)	
Signer's Name:	Signer's Name:
□ Corporate Officer — Title(s):	Corporate Officer — Title(s):
□ Partner - □ Limited □ General	☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact	☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservat	tor Trustee Guardian or Conservator
Other:	Other:
Signer Is Representing:	Signer Is Representing:

CIVIL CODE § 1189

<u> </u>	
A notary public or other officer completing this cert document to which this certificate is attached, and no	ificate verifies only the identity of the individual who signed the of the truthfulness, accuracy, or validity of that document.
State of California County of San Francisco))
On October 30, 2015 before me,	Virginia L. Ledford-Black, Notary Public
Date	Here Insert Name and Title of the Officer
personally appeared M. Mo	
	Name(s) of Signer(s)
subscribed to the within instrument and acknowledge	ory evidence to be the person(s) whose name(s) is/are owledged to me that he/she/they executed the same in y his/her/their signature(s) on the instrument the person(s), acted, executed the instrument.
	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
	WITNESS my hand and official seal.
VIRGINIA L. LEDFORD-BLACK Commission # 2006969 Notary Public - California San Francisco County My Comm. Expires Feb 15, 2017	Signature of Notary Public
Place Notary Seal Above	OPTIONAL
Though this section is optional, completing to	this information can deter alteration of the document or this form to an unintended document.
Description of Attached Document	
Title or Type of Document:	Document Date:
	han Named Above:
Capacity(ies) Claimed by Signer(s) Signer's Name:	Signer's Name
☐ Corporate Officer — Title(s):	Signer's Name: Corporate Officer — Title(s):
☐ Partner — ☐ Limited ☐ General	☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact	☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator ☐ Other:	☐ Trustee ☐ Guardian or Conservator ☐ Other:
Signer Is Representing:	Signer Is Representing:
	- · · · · · · · · · · · · · · · · · · ·

ID UNLESS IT IS PRINTED ON RED BACKCT Irein, and they have no authority to bind the Company exce		6318
	Certificate No.	

First National Insurance Company of America General Insurance Company of America Safeco Insurance Company of America

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of
America are corporations duly organized under the laws of the State of New Hampshire (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does
hereby name, constitute and appoint, JANET C. ROJO, SUSAN HECKER, BETTY L. TOLENTINO, M. MOODY, MAUREEN O'CONNELL, J. M. ALBADA, BRIAN F. COOPER.
ROBERT WRIXON, VIRGINIA L. BLACK, KEVIN RE.

all of the city of SAN FRANCISCO state of CALIFORNIA each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this _ 3rd _ day of May



First National Insurance Company of America General Insurance Company of America Safeco Insurance Company of America

Gregory W. Davenport, Assistant Secretary

Power of Attorney call am and 4:30 pm EST on any business day.

this 9:00

ö

To confirm the validity of 1-610-832-8240 between

STATE OF WASHINGTON COUNTY OF KING

SS

, 2012 , before me personally appeared Gregory W. Davenport, who acknowledged himself to be the Assistant Secretary of First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Seattle, Washington, on the day and year first above written.



This Power of Attorney is made and executed pursuant to and by authority of the following By-law and Authorizations of First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America, which are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS - Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes Gregory W. Davenport, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and biding upon the Company with the same force and effect as though manually affixed.

I, David M. Carey, the undersigned, Assistant Secretary, of First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 30th day of October 20 15







POA - ENICA, GICA & SICA LMS 12874 041012 - 3 Company

THIS POWER OF ATTORNEY IS NOT DUNLESS IT IS PRINTED ON RED BACKC DUND. 5363180 This Power of Attorney limits the acts of those name and they have no authority to bind the Company excluding the manner and to the extent herein stated.)
First National Insurance Company of America General Insurance Company of America Safeco Insurance Company of America	
POWER OF ATTORNEY KNOWN ALL PERSONS BY THESE PRESENTS: That First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America are corporations duly organized under the laws of the State of New Hampshire (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, JANET C. ROJO, SUSAN HECKER, BETTY L. TOLENTINO, M. MOODY, MAUREEN O'CONNELL, J. M. ALBADA, BRIAN F. COOPER, ROBERT WRIXON, VIRGINIA L. BLACK, KEVIN RE,	
all of the city of SAN FRANCISCO, state of CALIFORNIA each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.	
IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this	
First National Insurance Company of America General Insurance Company of America Safeco Insurance Company of America By: Gregory W. Davenport, Assistant Secretary STATE OF WASHINGTON SS COUNTY OF KING On this <u>ard</u> day of <u>May</u> . <u>2012</u> , before me personally appeared Gregory W. Davenport, who acknowledged himself to be the Assistant Secretary of First National Insurance Company of America, and Safeco Insurance Company of America, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer. IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Seattle, Washington, on the day and year first above written.	ness day.
By: Gregory W. Davenport, Assistant Secretary	IISI
STATE OF WASHINGTON ss COUNTY OF KING	any p
On this <u>3rd</u> day of <u>May</u> , <u>2012</u> , before me personally appeared Gregory W. Davenport, who acknowledged himself to be the Assistant Secretary of First National Insurance Company of America, and Safeco Insurance Company of America, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.	LEST ON
IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Seattle, Washington, on the day and year first above written.	30 pm
NOTARY PUBLIC KD Riley, Notary Public KD Riley, Notary Public	III ar
This Power of Attorney Is made and executed pursuant to and by authority of the following By-law and Authorizations of First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America, which are now in full force and effect reading as follows:	9:00 am and
ARTICLE IV – OFFICERS – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and executed, such instruments shall be as binding as if signed by the President and	petween
attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority. Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes Gregory W. Davenport, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary.	0-700-0L
Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and biding upon the Company with the same force and effect as though manually affixed.	-
I, David M. Carey, the undersigned, Assistant Secretary, of First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.	
IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 30th day of October, 2015.	
DANCE A SECON -CON	

David M. Carey, Assistant Secretary



Chubb Surety POWER OF ATTORNEY Federal Insurance Company Vigilant Insurance Company Pacific Indemnity Company Attn: Surety Department 15 Mountain View Road Warren, NJ 07059

Know All by These Presents, That FEDERAL INSURANCE COMPANY, an Indiana corporation, VIGILANT INSURANCE COMPANY, a New York corporation, and PACIFIC INDEMNITY COMPANY, a Wisconsin corporation, do each hereby constitute and appoint Virginia L. Black, Brian F. Cooper, Susan Hecker, M. Moody, Maureen O'Connell, Kevin Re, Janet C. Rojo, Betty L. Tolentino, Robert P. Wrixon and K. Zerounian of San Francisco, California

each as their true and lawful Attorney- in- Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY have each executed and attested these presents and affixed their corporate seals on this 12th day of January, 2015.

MILLAN CALON

Dawn M. Chioros, Assistant Secretary







STATE OF NEW JERSEY

\$3

County of Somerset

On this 12th day of January, 2015 before me, a Notary Public of New Jersey, personally came Dawn M. Chloros, to me known to be Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY, the companies which executed the foregoing Power of Attorney, and the said Dawn M. Chloros, being by me duly sworn, did depose and say that she is Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that she signed said Power of Attorney as Assistant Secretary of said Companies by like authority, and that she is acquainted with David B. Norris, Jr., and knows him to be Vice President of said Companies; and that the signature of David B. Norris, Jr., subscribed to said Power of Attorney is in the genuine handwriting of David B. Norris, Jr., and was thereto subscribed by authority of said By-Laws and in deponent's presence.

Notariai Seal



KATHERINE J. ADELAAR NOTARY PUBLIC OF NEW JERSEY No. 2316685 Commission Expires July 16, 2019

CERTIFICATION

Extract from the By- Laws of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY:

'All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any cartificate relating thereto appointing Assistant Secretaries or Attorneys. In-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached.'

I, Dawn M. Chloros, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY (the "Companies") do hereby certify that

the foregoing extract of the By- Laws of the Companies is true and correct,

(ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U.S. Treasury Department; further, Federal and Vigilant are licensed in the U.S. Virgin Islands, and Federal is licensed in Guam, Puerlo Rico, and each of the Provinces of Canada except Prince Edward Island; and

(iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this

October 30, 2015







Dawn M. Chloros, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS
LISTED ABOVE, OR BY Telephone (908) 903-3483 Fax (908) 903-3656 e-mail: surety@druchb.com

	CONSE	NT OF SURETY AND INCREASE OF	1. CONTRACT NUMBER	2. MODIFICATION NUMBER	3. DATED
		PENALTY	N40192-14-C-1300	P00025	March 7, 2016
	The surety (extend to the consent, the the payment each co-sure	co-sureties) consents (consent) to the foregoing contract e contract as modified or amended. The principal and su e penalty of the performance bond or bonds is increased I Five Million Five Hundred t bond or bonds is increased bySix Thousand Eight Hund ety resulting from this consent shall not exceed the sums	modification and agrees (agre rety (co-sureties) further agree Five Million Five Hundred F Fisix Thousand Eight Hundre redrollars (\$ 5,556,874.50° shown below. "Seventy Four	e) that its (their) bond or bone that on or after the execution of the bond or bond or	ds shall apply and n of this ******) and the penalty of se of the liability of
		5. NAME OF SURETY(IES)	41	6. INCREASE IN LIABILITY LIMIT UNDER PERFORMANCE BOND	7. INCREASE IN LIABILITY LIMIT UNDER PAYMENT BOND
Α.	Safeco Ir	surance Company of America (Nova)		\$3,334,124.70	\$ 3,334,124.70
B.	Safeco In	surance Company of America (Underground)		\$777,962.42	\$777,962.42
C.	Federal I	nsurance Company (Underground)		\$1,444,787.38	\$ 1,444,787.38
		A. BUSINESS ADDRESS	B. SIGNATURE*		
	NDIVIDUAL RINCIPAL		C. TYPED NAME AND TITLE	XECUTED	(Affix Seal)
A. CORPORATE NAME AND BUSINESS ADDRESS Nova Group, Inc Underground Construction Co., Inc. A Joint Venture 185 Devlin Road Napa, CA 94558		B. PERSON EXECUTION OF THE STATE OF THE STAT	Managing Joint	(Affix Corporate Seal)	
*Th	e Principal o resentative (ver-of-Attorn	r authorized representative shall execute this Consent of e.g., attorney-in-fact) that signs the consent is not a mem ey or a Certificate of Corporate Principal must accompan	Surety and Increase of Penalt ber of the partnership, or joint y the consent.	y with the modification to whi venture, or an officer of the o	ch it pertains. If the corporation involved, a
	A CORDOR	10. CORPORATE/IND	IVIDUAL SURETY (CO-SU		
Α	Safeco I 62 Maple	nsurance Company of America	B. PERSON EXECUTING CO B. D. D. D. D. D. D. D. D. D. D. D. D. D.	ABlack	(Affix Seal)
	Bond No	o. 070-017-553 Nova	D. DATE THIS CONSENT EXECUTED March 18, 2016		
$\overline{}$	A. CORPORA	ATE/INDIVIDUAL SURETY'S NAME AND ADDRESS	B. PERSON EXECUTING C		
В	62 Maple Keene, N	NH 03431		4 Black	(Affix Seal)
	Bond No	. 906002789 Underground	D. DATE THIS CONSENT E	XECUTED March 18, 201	8
С	Federal 15 Mour Warren,	ATE/INDIVIDUAL SURETY'S NAME AND ADDRESS Insurance Company Itain View Road NJ 07059	BY LY CONTROL OF THE PROPERTY	ONSENT (Signature) Note: Color of the color	
	Boug No	b. 82335946 Underground		XECUTED March 18, 201	6
		Add similar signature blocks on the back of	of this form if necessary for	additional co-sureties.	A THE RESIDENCE OF THE PARTY OF

CIVIL CODE § 1189

A notary public or other officer completing this cert document to which this certificate is attached, and n	tificate verifies only the identity of the individual who signed the oot the truthfulness, accuracy, or validity of that document.		
State of California)		
County ofSan Francisco	·)		
On March 18, 2016 before me,	Betty L. Tolentino, Notary Public		
Date	Here Insert Name and Title of the Officer		
personally appeared Virginia L. Black			
	Name(s) of Signer(s)		
subscribed to the within instrument and ackn	cory evidence to be the person(s) whose name(s) is/are nowledged to me that he/she/they executed the same in by his/her/their signature(s) on the instrument the person(s) acted, executed the instrument.		
	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.		
	WITNESS my hand and official seal.		
BETTY L. TOLENTINO COMM. #2012423 NOTARY PUBLIC-CALIFORNIA S SAN FRANCISCO COUNTY My Comm. Expires Apr. 12, 2017	Signature Signature of Notary Public		
Place Notary Seal Above			
Though this section is optional, completing	OPTIONAL this information can deter alteration of the document or this form to an unintended document.		
Description of Attached Document Title or Type of Document:	Document Date:		
Number of Pages: Signer(s) Other	Inan Named Above:		
Capacity(ies) Claimed by Signer(s) Signer's Name:	Signer's Name:		
□ Corporate Officer — Title(s):	Corporate Officer — Title(s):		
Signer's Name: Corporate Officer — Title(s): Partner — Limited	☐ Partner — ☐ Limited ☐ General		
- Internation			
☐ Trustee ☐ Guardian or Conservator ☐ Other:			
Other:Signer Is Representing:	Other: Signer Is Representing:		

CIVIL CODE § 1189

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A notary public or other officer completing this certificat document to which this certificate is attached, and not the	te verifies only the identity of the individual who signed the e truthfulness, accuracy, or validity of that document.		
State of California)			
County of San Francisco			
County of			
On March 18, 2016 before me, Bet	ty L. Tolentino, Notary Public		
Date	Here Insert Name and Title of the Officer		
personally appearedVirginia L. Black			
	Name(s) of Signer(s)		
subscribed to the within instrument and acknowled his/her/their authorized capacity(ies), and that by his or the entity upon behalf of which the person(s) actions the control of the cont			
	certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraphs true and correct.		
1	WITNESS my hand and official seal.		
te me va	1 -0 1		
BETTY L. TOLENTINO COMM. #2012423 NOTARY PUBLIC-CALIFORNIA 8 SAN FRANCISCO COUNTY My Comm. Expires Apr. 12, 2017	Signature Signature of Notary Public		
Place Notary Seal Above			
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Title or Type of Document:	Document Date:		
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Capacity(ies) Claimed by Signer(s)			
Signer's Name:	Signer's Name:		
☐ Corporate Officer — Title(s): ☐ Partner — ☐ Limited ☐ General	Gorporate Officer — Title(s):		
☐ Individual ☐ Attorney in Fact	☐ Individual ☐ Attorney in Fact		
☐ Trustee ☐ Guardian or Conservator ☐ Trustee ☐ Guardian or Conserva			
Other:	Other:		
	Other: Signer Is Representing:		

CIVIL CODE § 1189

	State of Cali	ifornia)		
	County of	San Franci	sco	_)		
	On March 1	8, 2016	before me,	Betty L. Tolent	ino, Notary Public	
		Date			sert Name and Title of the Office	r
	personally a	ppeared	Virginia L. Blad			
				Name(s)	of Signer(s)	
	subscribed this/her/their	to the within authorized ca	instrument and ack	nowledged to maged by his/her/their s	o be the person(s) whose name that he/she/they executed the signature(s) on the instrument the ed the instrument.	ie same in
				I certify und	ler PENALTY OF PERJURY unde of California that the foregoing	er the laws
				is true and		paragrapm
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	NC NC	BETTY L. TO COMM. #2 DTARY PUBLIC SAN FRANCISC V COMM. EXDIRE	CALIFORNIA S COUNTY	is true and	correct. ny hand and official seal.	
	NC M	COMM. #2 TARY PUBLIC SAN FRANCISC	O12423 CALIFORNIA S COUNTY Apr. 12, 2017	is true and o	correct. ny hand and official seal.	
200	M.	COMM. #2 DTARY PUBLIC SAN FRANCIS y Comm. Explica Place Notary	CALIFORNIA S CALIFORNIA S COUNTY Apr. 12, 2017 P	is true and of WITNESS in Signature	correct. ny hand and official seal. Signature of Notary Publi	ic
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This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

First National Insurance Company of America General Insurance Company of America Safeco Insurance Company of America

POWER OF ATTORNEY

.OWN ALL PERSONS BY THESE PRESENTS: That First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of
America are corporations duly organized under the laws of the State of New Hampshire (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does
hereby name, constitute and appoint, Betty I. Tolentino; Brian F. Cooper; Janet C. Bojo; K. Zerounian; Kevin Be; M. Moody; Maureen O'Connell; R. A. Bass;
Robert Wrixon; Susan Hecker; Virginia L. Black

all of the city of San Francisco, state of CA each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons,

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 16th _ day of _lune_ . 2015







First National Insurance Company of America General Insurance Company of America Safeco Insurance Company of America

David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA COUNTY OF MONTGOMERY

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On this 16th day of June _ 2015 , before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written. COMMONWEALTH OF PENNSYLVANIA



Notarial Seal Teresa Pastella, Notary Public Plymouth Twp., Montgomery County My Commission Expires March 28, 2017 Member, Pennsylvania Association of Notarie

This Power of Attorney is made and executed pursuant to and by authority of the following By-law and Authorizations of First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America, which are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS - Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surely any and all undertakings, bonds, recognizances and other surely obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-infact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Gregory W. Davenport, the undersigned, Assistant Secretary, of First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of sald Companies this 18th day of





Gregory W. Davenport, Assistant Secretary

19 of 200

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 7024774

First National Insurance Company of America General Insurance Company of America Safeco Insurance Company of America

POWER OF ATTORNEY

OWN ALL PERSONS BY THESE PRESENTS: That First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of
America are corporations duly organized under the laws of the State of New Hampshire (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does
hereby name, constitute and appoint, Batty L. Tolentino; Brian F. Cooper; Janet C. Bojo; K. Zerounian; Kevin Re; M. Moody; Maureen O'Connell; R.A. Bass;
Robert Wrixon: Susan Hecker: Virginia L. Black

all of the city of <u>San Francisco</u> , state of <u>C</u>	CA each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge
and deliver, for and on its behalf as surety ar	nd as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and
shall be as binding upon the Companies as if t	they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.



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First National Insurance Company of America General Insurance Company of America Safeco Insurance Company of America

By: Afaird / Lang
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA COUNTY OF MONTGOMERY

SS

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



Notarial Seal Teresa Pastella, Notary Public Plymouth Twp., Montgomery County My Commission Expires March 28, 2017

sy: Leresa Pastella
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-law and Authorizations of First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America, which are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS - Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-infact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization — By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Gregory W. Davenport, the undersigned, Assistant Secretary, of First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 18th day of March , 20







By: Gregory W. Davenport, Assistant Secretary

20 of 200



Chubb Surety POWER OF ATTORNEY Federal Insurance Company Vigilant Insurance Company Pacific Indemnity Company

David B. Norris, Jr.,

Attn: Surety Department 15 Mountain View Road Warren, NJ 07059

Know All by These Presents, That FEDERAL INSURANCE COMPANY, an Indiana corporation, VIGILANT INSURANCE COMPANY, a New York corporation, and PACIFIC INDEMNITY COMPANY, a Wisconsin corporation, do each hereby constitute and appoint Virginia L. Black, Brian F. Cooper, Susan Hecker, M. Moody, Maureen O'Connell, Kevin Re, Janet C. Rojo, Betty L. Tolentino, Robert P. Wrixon and K. Zerounian of San Francisco, California

each as their true and lawful Attorney- in- Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than bail bonds) given or executed in the course of business, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY have each executed and attested these presents and affixed their corporate seals on this 12th day of January, 2015.

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STATE OF NEW JERSEY

County of Somersel

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On this 12th day of January, 2015 before me, a Notary Public of New Jersey, personally came Dawn M. Chloros, to me known to be Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY, the companies which executed the foregoing Power of Attorney, and the said Dawn M Chloros, being by me duly swom, did depose and say that she is Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY and knows the corporate seals thereof, that the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By- Laws of said Companies; and that she is acquainted with David B. Norris, Jr., and knows him to be Vice President of said Companies; and that the signature of David B. Norris, Jr., subscribed to said Power of Attorney is in the genuine handwriting of David B. Norris, Jr., and was thereto subscribed by authority of said By- Laws and in deponent's presence.

Notarial Seal



KATHERINE J. ADELAAR NOTARY PUBLIC OF NEW JERSEY No. 2316685 Commission Expires July 16, 2019

CERTIFICATION

Extract from the By- Laws of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The algnature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any cartificate relating thereto appointing Assistant Secretaries or Attorneys- in- Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Dawn M. Chioros, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY (the 'Companies') do hereby certify that

- (i) the foregoing extract of the By- Laws of the Companies is true and correct,
- (ii) the Companies are duly licensed and authorized to transact surety business in all 50 of the United States of America and the District of Columbia and are authorized by the U.S. Treasury Department; further, Federal and Vigilant are licensed in the U.S. Virgin Islands, and Federal is licensed in Guam, Puerto Rico, and each of the Provinces of Canada except Prince Edward Island; and
- (iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this March 18, 2016







Dawn M. Chloros. Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLA M, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY Telephone (908) 903-3493 Fex (908) 903-3456 e-mail_surely@chubb.com

	CONSE	NT OF SURETY AND INCREASE OF	1. CONTRACT NUMBER	2 MODIFICATION NUMBER	3 DATED
_		PENALTY	N40192-14-C-1300	P00030	September 9, 2016
4.	The surety extend to the consent, the the payment each co-sure	co-sureties) consents (consent) to the foregoing contract to contract as modified or amended. The principal and su a penalty of the performance bond or bonds is increased Three Million Two Hundre to bond or bonds is increased by ighty Three Thousand F rety resulting from this consent shall not exceed the sums	modification and agrees (agreurely (co-surelies) further agree by Three Million Two Hundred (de Eighty Three Thousand Fw. vertollars (\$ 3,283,573.60) shown below "Hundred Sev.	te) that its (their) bond or bone that on or after the execution of after the execution of the control of the c	ds shell apply and n of this *******) and the penalty of e of the liability of
		5. NAME OF SURETY(IES)		6. INCREASE IN LIABILITY LIMIT UNDER PERFORMANCE BOND	7. INCREASE IN LIABILITY LIMIT UNDER PAYMENT BOND
A.	Safeco Ir	nsurance Company of America (Nova)		\$1,970,144.16	\$ 1,970,144.16
В.	Safeco Ir	surance Company of America (Underground)	74	\$459,700.30	\$ 459,700.30
C.	Federal I	nsurance Company (Underground)		\$853,729.14	\$ 853,729.14
		A BUSINESS ADDRESS	B. SIGNATURE*		
	NDIVIDUAL RINCIPAL		C TYPED NAME AND TITLE D. DATE THIS CONSENT E	XECUTED	(Affix Seal)
	ORPORATE RINCIPAL	A CORPORATE NAME AND BUSINESS ADDRESS Nova Group, Inc Underground Construction Co., Inc. A Joint Venture 185 Devlin Road Napa, CA 94558	BY C. TYPED NAME AND TITLE Walt Birds: CFO, Nova (D. DATE THIS CONSENT E NOVEMBER 15	all Group, Inc.*	(Affix Corporate Seal)
Th rep Pov	e Principal o resentative (ver-of-Attorn	r authorized representative shall execule this Consent of e.g., attorney-in-fact) that signs the consent is not a mem ey or a Certificate of Corporate Principal must accompan	Surety and Increase of Penaltiber of the partnership, or joint by the consent.	y with the modification to whi venture, or an officer of the o	ch it pertains. If the opporation involved, a
	A COPPOR	10. CORPORATE/IND	IVIDUAL SURETY (CO-SU		
Α	Safeco I 175 Beri Boston,	nsurance Company of America keley St. MA 02116	BY C. TYPEO NAME AND TITLI Janet C. Rojo, Attor		(Affix Seal)
	Bong No	. 070-017-553 Nova	D. DATE THIS CONSENT E	XECUTED November 15,	2016
В	Safeco II 175 Berk	ATE/INDIVIDUAL SURETY'S NAME AND ADDRESS INSURANCE Company of Amercia Reley St. MA 02116	B. PERSON EXECUTING C BY C. TYPED NAME AND TITLE Janet C. Rojo, Attore	ONSENT (Signature)	(Affix Seal)
-	Bond No	. 906002789 Underground	D. DATE THIS CONSENT E	XECUTED November 15,	2016
С	Federal i	TE/INDIVIDUAL SURETY'S NAME AND ADDRESS INSURANCE Company tain View Road NJ 07059	B. PERSON EXECUTING C BY C. TYPEO NAME AND TITLE Janet C. Rojo, Attor	ONSENT (Signature)	(Affix Seal)
	Bond No	82335946 Underground		XECUTED November 15,	2016
		Add similar signature blocks on the back of	of this form if nacaseans for	additional on suration	

CIVIL CODE § 1189

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A notary public or other officer completing this certifical document to which this certificate is attached, and not the	te verifies only the identity of the individual who signed the truthfulness, accuracy, or validity of that document.
State of California) County of San Francisco)	
On November 15, 2016 before me, Bet	ty L. Tolentino, Notary Public
Date	Here Insert Name and Title of the Officer
personally appeared	
	Name(s) of Signer(s)
subscribed to the within instrument and acknowle	evidence to be the person(s) whose name(s) is/are edged to me that he/she/they executed the same in s/her/their signature(s) on the instrument the person(s), ted, executed the instrument.
•	certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
BETTY L. TOLENTINO	Signature Signature of Notary Public
Place Notary Seal Above	
Though this section is optional, completing this	TIONAL information can deter alteration of the document or form to an unintended document.
Description of Attached Document	
	Document Date:
Number of Pages: Signer(s) Other Than	n Named Above:
Capacity(ies) Claimed by Signer(s) Signer's Name:	Signer's Name:
Corporate Officer — Title(s):	☐ Corporate Officer — Title(s):
☐ Partner — ☐ Limited ☐ General	☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact ☐ Guardian or Conservator	☐ Individual☐ Attorney in Fact☐ Trustee☐ Guardian or Conservator
Other:Signer Is Representing:	Other:
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CIVIL CODE § 1189

A notary public or other officer completing this certificate document to which this certificate is attached, and not the	ate verifies only the identity of the individual who signed the ne truthfulness, accuracy, or validity of that document.
State of California) County ofSan Francisco)	
On November 15, 2016 before me, Be	
Date	Here Insert Name and Title of the Officer
personally appearedJanet C. Rojo	
	Name(s) of Signer(s)
subscribed to the within instrument and acknow	evidence to be the person(s) whose name(s) is/are edged to me that he/she/they executed the same in s/her/their signature(s) on the instrument the person(s), ted, executed the instrument.
	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
RETTY I TO ENTINO	WITNESS my hand and official seal. Signature Signature of Notary Public
Place Notary Seal Above	
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	Document Date:
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Signer's Name:	Signer's Name:
☐ Corporate Officer — Title(s): ☐ Partner — ☐ Limited ☐ General	☐ Corporate Officer — Title(s):
☐ Individual ☐ Attorney in Fact ☐ Guardian or Conservator	☐ Individual ☐ Attorney in Fact ☐ Guardian or Conservator
Other:	Other:
Signer Is Representing:	Signer Is Representing:

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A notary public or other officer completing this certificate document to which this certificate is attached, and not the	ate verifies only the identity of the individual who signed the he truthfulness, accuracy, or validity of that document.
State of California) County of San Francisco)	
On November 15, 2016 before me, Be	
Date	Here Insert Name and Title of the Officer
personally appeared Janet C. Rojo	Name(s) of Signer(s)
	Nume (a) of digital (a)
subscribed to the within instrument and acknowledge	evidence to be the person(s) whose name(s) is/are ledged to me that he/she/they executed the same in is/her/their signature(s) on the instrument the person(s), ated, executed the instrument.
	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
SETTY L. TOLENTINO	Signature Signature of Notary Public
Place Notary Seal Above	
Though this section is optional, completing this	TIONAL information can deter alteration of the document or form to an unintended document.
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Capacity(ies) Claimed by Signer(s) Signer's Name:	Signer's Name:
Corporate Officer — Title(s):	Signer's Name:
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☐ Trustee ☐ Guardian or Conservator	
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THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 7024784

First National Insurance Company of America General Insurance Company of America Safeco Insurance Company of America

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America are corporations duly organized under the laws of the State of New Hampshire (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Betty L. Tolentino: Brian F. Cooper: Janet C. Rojo: K. Zerounian: Kevin Re: M. Moody: Maureen O'Connell: R.A Bass: Robert Wrixon: Susan Hecker: Virginia L. Black

all of the city of San Francisco, state of CA each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surely and as its act and deed, any and all undertakings, bonds, recognizances and other surely obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 16th day of June 2015



First National Insurance Company of America General Insurance Company of America Safeco Insurance Company of America

David M. Carey, Assistant Secretary

guarantees STATE OF PENNSYLVANIA **COUNTY OF MONTGOMERY**

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On this 16th day of June 2015, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written. COMMONWEALTH OF PENNSYLVANIA

PAS:

Notarial Seal Teresa Pastella, Notary Public Plymouth Twp., Montgomery County My Commission Expires March 28, 2017 Member, Pennsylvania Association of Notaries

eresa Pastella, Notary

This Power of Attorney is made and executed pursuant to and by authority of the following By-law and Authorizations of First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America, which are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS - Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-infact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Gregory W. Davenport, the undersigned, Assistant Secretary, of First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 15th day of November







W. Davenport, Assistant Secretary

Fower of Attorney call am and 4:30 pm EST on any business day. validity of this between 9:00 To confirm the v 1-610-832-8240

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 7024785

First National Insurance Company of America General Insurance Company of America Safeco Insurance Company of America

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America are corporations duly organized under the laws of the State of New Hampshire (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Betty L. Tolentino; Brian F. Cooper; Janet C. Rojo; K. Zerounian; Kevin Re; M. Moody; Maureen O'Connell; R.A. Bass; Robert Wrixon: Susan Hecker: Virginia L. Black

all of the city of San Francisco, state of CA each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surely and as its act and deed, any end all undertakings, bonds, recognizances and other surely obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 16th day of June 2015







First National Insurance Company of America General Insurance Company of America Safeco Insurance Company of America

David M. Carey, Assistant Secretary

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On this 16th day of June . 2015 , before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of First National insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA **Notarial Seal** Teresa Pastella, Notary Public

Plymouth Twp., Montgomery County My Commission Expires March 28, 2017 Member, Pennsylvania Association of Noterios

This Power of Attorney is made and executed pursuant to and by authority of the following By-law and Authorizations of First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America, which are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS - Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seel, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-infact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

i, Gregory W. Davenport, the undersigned, Assistant Secretary, of First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 15th day of November







To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.



Chubb Surety POWER OF ATTORNEY Federal Insurance Company Vigilant Insurance Company Pacific Indemnity Company Attn: Surety Department 15 Mountain View Road Warren, NJ 07059

Know All by These Presents, That FEDERAL INSURANCE COMPANY, an indiana corporation, VIGILANT INSURANCE COMPANY, a New York corporation, and PACIFIC INDEMNITY COMPANY, a Wisconsin corporation, do each hereby constitute and appoint Virginia L. Black, Brian F. Cooper, Susan Hecker, M. Moody, Maureen O'Connell, Kevin Re, Janet C. Rojo, Betty L. Tolentino, Robert P. Wrixon and K. Zerounian of San Francisco, California

each as their true and lawful Attorney- in- Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surely thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than ball bonds) given or executed in the course of bus ness, and any instruments amending or altering the same, and consents to the modification or alteration of any instrument referred to in said bonds or obligations.

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY have each executed and attested these presents and affixed their corporate seals on this 12th day of January, 2015.

Dawn M. Chloros, Assistant Secretary







STATE OF NEW JERSEY

County of Somerset

David B. Norris, Jr., Vice President



On this 12th day of January, 2015 before me, a Notary Public of New Jerney, personally came Dawn M. Chloros, to me known to be Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY, the companies which executed the foregoing Power of Attorney, and the said Dawn M. Chloros, being by me duly sworn, did depose and say that she is Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY and knows the corporate seals thereof, that the seels affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that she is acquainted with David 8, Norris, Jr., and knows him to be Vice President of said Companies; and that the signature of David 8, Norris, Jr., subscribed to said Power of Attorney is in the genuine handwriting of David 8, Norris, Jr., and was thereto subscribed by authority of said By-Laws and in deponent's presence.

Notarial Seal



KATHERINE J. ADELAAR NOTARY PUBLIC OF NEW JERSEY No. 2316685 Commission Expires July 16, 2019

CERTIFICATION

Extract from the By- Laws of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or fithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Secretary and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys- in- Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Dawn M. Chloros, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY (the "Companies") do hereby certify that

the foregoing extract of the By- Laws of the Companies is true and correct,

(ii) the Companies are duty licensed and authorized to transact surely business in all 50 of the United States of America and the District of Columbia and are authorized by the U.S. Treasury Department, further, Federal and Vigiliant are licensed in the U.S. Virgin Islands, and Federal is licensed in Guarn, Puerto Rico, and each of the Provinces of Canada except Prince Edward Island; and

(iii) the foregoing Power of Attorney is Irue, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this November 15, 2016







Dawn M. Chloros, Assistant Secretary

IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE OR BY Telephane (908) 903-3493 Fax (908) 903-3656 e-mail: surfety@dtuchb.com